Beliefs about Inequality and the Nature of Support for Redistribution*

Aljosha Henkel (*) Ernst Fehr (*) Julien Senn (*) Thomas Epper

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Abstract

Do beliefs about inequality depend on distributive preferences? What is the joint role of preferences and beliefs about inequality for support for redistribution? We study these questions in a staggered experiment with a broadly representative sample of the Swiss population conducted in the context of a vote on a highly redistributive policy proposal. Our sample comprises a majority of inequality averse subjects, a sizeable group of altruistic subjects, and a minority of predominantly selfish subjects. Irrespective of preference types, individuals overestimate the extent of income inequality. An information intervention successfully corrects these large misperceptions for all types, but essentially does *not* affect aggregate support for redistribution. These results hide, however, important heterogeneity because the effects of beliefs about inequality for demand for redistribution are preference-dependent: only inequality averse individuals, but not the selfish and altruistic ones, significantly reduce their support for redistribution. These findings cast a new light on the seemingly puzzling result that, in the aggregate, large changes in beliefs about inequality often do not translate into changes in demand for redistribution.

Key Words: Social Preferences, Beliefs about Inequality, Preferences for Redistribution, Information, Inequality Aversion

JEL Codes: D31, D72, H23, H24

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1 Introduction

Over the last decades, many countries have experienced a substantial increase in income and wealth inequality. This increased concentration of income and wealth has been particularly pronounced at the very top. In the US, for example, the share of income captured by the top 1% nearly doubled over the last four decades, from 10.4 percent in 1980 to 19.1 percent in 2020 (Alvaredo et al., 2013; World Inequality Database, 2023). This evolution is not limited to the US: over the last 40 years, the share of income captured by the top 1% increased by more than 20 percent in Germany and France, respectively, and by more than 25 percent in Switzerland (Foellmi and Martínez, 2017; Swiss Federal Department of Finance, 2022).

These increasing inequalities have put redistribution again on top of the political agenda and have given rise to civil movements such as the Wallstreet movement ("We are the 99%"). Likewise, in Switzerland several strongly redistributive initiatives have been put to vote in recent years. The latest example of such a vote took place in September 2021, when Switzerland voted on the so-called "99% initiative"—a policy proposal aimed at increasing taxes on the capital gains of those at the very top of the income distribution.

But what motivates citizens to support such strongly redistributive proposals? One strand of research has highlighted the role of (biased) beliefs about inequality for support for redistribution (Cruces et al., 2013; Kuziemko et al., 2015; Karadja et al., 2017). Another strand of the literature has underscored the importance of (other-regarding) preferences (Fehr ① al., forthcoming; Fisman et al., 2017; Kerschbamer and Müller, 2020). These two strands of the literature have largely evolved separately. In this paper, we investigate the *joint* role of beliefs about inequality and other-regarding preferences for demand for redistribution. We are particularly interested in understanding whether preferences alter the effects of beliefs about inequality for support for redistribution, i.e. whether the effects of beliefs about inequality for demand for redistribution are preference-dependent.

Recent field and laboratory evidence indicates that there are important heterogeneities in terms of other-regarding preferences, i.e., not all individuals put the same weight on the distribution of payoffs (see, e.g., Fisman et al., 2017; Kerschbamer and Müller, 2020; Fehr (r) al., forthcoming). Yet, little is known about the extent and the ways in which these preferences interact with beliefs about inequality. This raises several interesting new questions. First, do beliefs about inequality depend on preferences? While previous studies have established that individuals tend to have biased beliefs about inequality (see e.g. Cruces et al., 2013), there may be large hetereogeneities in the population. For example, other-regarding individuals might have different beliefs about inequality than selfish individuals. In particular, otherregarding individuals may believe that there is more inequality than there actually is, and selfish individuals may believe that there is less inequality than there actually is. Much like motivated beliefs, such preference-dependent beliefs might be self-sustaining: it might be easier to remain selfish by convincing oneself that there is little inequality, and it might be easier to remain other-regarding by convincing oneself that there is a lot of inequality. Second, can we legitimately expect that beliefs about inequality will shape demand for redistribution to a similar extent across individuals with different preferences? For example, should we expect that beliefs about inequality will affect the demand for redistribution of other-regarding individuals and of selfish individuals in the same way? Would providing individuals with different preference types with information about inequality affect their demand for redistribution differently? For example, would the response to information about inequality of a selfish subject be smaller than, say, the response of an inequality averse individual?

We study these questions using a pre-registered online experiment with a sample that is broadly representative of the Swiss population (with respect to age, gender and geographical area) in the context of the vote on the 99% initiative, a highly redistributive proposal that aimed at increasing taxes for the top 1% by instituting a capital gains' tax. Our experiment consists of two waves, conducted six months apart. In the first wave, we elicit participants' other-regarding preferences using an incentivized money allocation task in which participants have to make distributional choices between themselves and another anonymous participant. In the second wave, we measure participants' beliefs about the income share received by the top 1% of in-

come earners in Switzerland.¹ To assess the causal effects of beliefs about inequality for demand for redistribution, we randomly assign half of the participants to a treatment condition that provides them with credible *factual* information about the share of income received by the top 1% of income-earners in Switzerland. We then elicit all respondents' support for the 99% initiative by allowing them to make a real monetary donation to organizations that either actively campaign in favor of or against this referendum.

This staggered design, which purposefully decouples the elicitation of distributive preferences from the information intervention and the measurement of support for redistribution, allows us to study the causal effects of beliefs about inequality for support for the 99% initiative, and to investigate the extent to which these effects are preference-dependent. In addition, it also allows us to explore whether individuals with different preference types hold fundamentally different beliefs about the extent of inequality, and whether they update these beliefs differently when presented with credible and objective information.

Following the approach discussed in Fehr ① al. (forthcoming), we characterize preference heterogeneity in our sample by applying the Dirichlet Process means (DP-means) algorithm, a Bayesian nonparametric clustering algorithm that allows us to infer the prevailing social preference types in the population using the subjects' overall behavior in the money allocation task, and that endogenously assigns each individual to a preference type. This approach has several advantages. In particular, it enables the identification of preference types without committing to a pre-specified number of different preference types, and it does not require an ex-ante specification or parameterization of types. It also does not presume a specific error structure. In other words, the algorithm enables the identification of behavioral clusters without assumptions on the number of existing preference clusters and the behavioral properties (e.g., the utility functions) of the different clusters, thereby enabling a flexible and data-driven exploration of heterogeneity.

Consistent with the findings of Fehr (r) al. (forthcoming), we also document three

¹In the following, we use "beliefs about (income) inequality" and "perceived (income) inequality" as synonyms for "beliefs about the income share received by the top 1% of the income earners."

distinct types with a clear behavioral interpretation: A large group of predominantly *inequality averse* individuals, a smaller group of *altruistic* individuals, and a minority of predominantly *selfish* individuals. Our sample is therefore very diverse in terms of how respondents weigh other people's payoffs: some individuals are highly sensitive to the distributional consequences of their choices, while others are predominantly self-interested.

We expect important heterogeneities in subjects' response to our information intervention depending on subject's preference type. Indeed, previous work has provided both theoretical and empirical evidence that other-regarding preferences are an important predictor of political support for redistribution (Fehr (r) al., forthcoming; Kerschbamer and Müller, 2020). In particular, Fehr (r) al. (forthcoming) show that while inequality averse individuals tend to support policies that primarily aim at reducing the incomes of the rich, altruistic (and selfish) individuals are considerably less supportive of such policies. For this reason, we expect support for the 99% initiative to be particularly strong among the inequality averse individuals. This is due to the fact that the 99% initiative was largely framed as a policy that is predominantly concerned with taxing the very rich. We also expect information about inequality to have a particularly large effect on these individuals. In addition, we speculate that this effect might be larger at higher incomes, as Fehr (r) al. (forthcoming) have provided evidence that social preferences might play a particularly important role for more affluent individuals.² Specifically, we speculate that the effect of beliefs about inequality will be particularly pronounced for inequality averse individuals with an above-median income, relative to selfish individuals with an above-median income.³

We document several novel findings on how beliefs about inequality and other-regarding preferences jointly affect support for redistribution. First, we investigate how individuals *perceive* inequality, focusing on the inequality between the top 1% of the income earners and the rest of the population. We find that our subjects susbtantially overestimate the extent of income inequality, regardless of their preference type. While the top 1% of income earners actually receive 12% of the total annual income,

²We refer to subjects with an income above the median as affluent individuals.

³We pre-registered this conjecture as our main hypothesis.

the average respondent thinks that the top 1% receives about five times more (average belief: 54.2%). These misperceptions are widespread, with 94% of our sample overestimating inequality, and only 4% underestimating it.

Second, we explore whether the extent of these perceptions differs by preference type. We find that these misperceptions are largely orthogonal to respondents' preference type. That is, inequality averse individuals do not have more biased beliefs about inequality than the selfish or the altruistic individuals.

Third, we show that social preferences are an important predictor of support for the 99% initiative—consistent with past evidence that social preferences elicited experimentally can provide valuable insights into individuals' support for real world policies (see, e.g., Fehr ① al., forthcoming; Fisman et al., 2017; Kerschbamer and Müller, 2020). In our context, we find that—compared to selfish subjects—the largest support for the 99% initiative comes from the inequality averse respondents. Altruists also show significantly more support for the 99% initiative than selfish subjects, but the magnitude of the effect is somewhat lower than for the inequality averse (although not significantly different). Furthermore, consistent with previous findings (Fehr ① al., forthcoming), we find that the association between other-regarding preferences and support for the 99% initiative is rather small and insignificant among individuals with an income below the median, but large in magnitude and strongly significant among those with an income above the median.

Fourth, we show that providing respondents with accurate information about the extent of income inequality dramatically reduces these misperceptions, and that all social preferences types update their beliefs to a similar extent. While this informational shock successfully corrects subjects' large misperceptions, it essentially does not affect average support for redistribution, consistent with a recent meta-analysis on the causal effects of beliefs about inequality for demand for redistribution (Ciani et al., 2021). This average result hides, however, important heterogeneity. Indeed, the downwards shocks in beliefs about inequality generates a large and significant decrease in donations in favour of the 99% initiative among inequality averse respondents, and it essentially does not affect the donations of the remaining subjects. This effect appears to be mainly driven by higher incomes individuals, consistent with

what we hypothesized. We discuss multiple robustness checks that rule out alternative interpretations to these findings. In particular, we argue that the type-specific nature of our hypotheses, and our results, rule out that our findings are driven by demand effects—a concern against some information provision experiments (Haaland et al., 2023). If our information intervention had generated large demand effects one would have expected that all preference types show a reduction in the support for redistribution, regardless of income levels. In contrast, however, we find that the effect is mainly driven by the affluent inequality averse individuals—as hypothesized.

Our paper connects to several strands of the literature. First, our paper relates to the large literature on the political economy of demand for redistribution. This literature has identified a list of determinants of support for redistribution, such as beliefs about income mobility (Piketty, 1995; Benabou and Ok, 2001; Benabou and Tirole, 2006; Alesina et al., 2018), beliefs about the causes of success (Fong, 2001; Alesina and Angeletos, 2005; Almås et al., 2020), and beliefs about income and wealth inequality (Cruces et al., 2013; Karadja et al., 2017; Fehr et al., 2022), among others. More recently, several papers have highlighted the role of other-regarding preferences, such as the equality-efficiency tradeoffs (Fisman et al., 2017) or inequality aversion and altruism (Fehr ① al., forthcoming), for the demand for redistribution. We contribute to this literature by investigating the joint role of preferences and beliefs about inequality for the demand for redistribution. We are also the first, to our knowledge, to measure support for redistribution using real monetary donations in the context of a real, upcoming political campaign.

Our paper also connects to the literature that uses information interventions to study subjective beliefs about the economy.⁴ For example, recent papers have used information interventions to study topics as diverse as the role of beliefs about inequality or about the distribution of income for demand for redistribution (Cruces et al., 2013; Karadja et al., 2017; Fehr et al., 2022; Kuziemko et al., 2015), the link between labor market concerns and support for immigration (Haaland and Roth, 2020), the effects of beliefs about public debt for the demand for government spending and taxation (Roth et al., 2021), the relationship between perceptions of existing spend-

⁴For a recent review of the literature of information interventions, see Haaland et al. (2023).

ing levels on support for increased government spending on education (Lergetporer et al., 2018), and the role of beliefs about the size of the gender wage gap for demand for policies intended to reduce it (Settele, 2022). We contribute to this literature by providing novel evidence on the misperceptions of income inequality, and by showing that these misperceptions are widely held among individuals characterized by very different preference types.

While most of these survey experiments mainly focused on analyzing the average effects of a particular information intervention for demand for redistribution, several of them also investigated how political orientation modulates this effect. Overall, the evidence on whether political orientation affects subjects' response to information is mixed. Some papers find that it is mainly left-wing respondents who adjust their demand for redistribution after a shock in their beliefs about inequality (Alesina et al., 2018; Fehr et al., 2022; Settele, 2022) while others find that it is mainly right-wing respondents who adjust (Karadja et al., 2017; Fenton, 2020). There are also some papers that find no evidence of heterogeneous effects (Lergetporer et al., 2020; Haaland and Roth, 2023) whatsoever. In this paper, we take a different route and show that correcting misperceptions about inequality predominantly affects support for redistribution of inequality averse individuals, especially the most affluent ones. These findings cast a new light on the seemingly puzzling result that, in the aggregate, large changes in beliefs about inequality often do not translate into changes in demand for redistribution, as documented in a recent review of the literature (Ciani et al., 2021).

2 Experimental design

2.1 Overview

Our main aim is to study how beliefs about inequality and distributive preferences jointly predict demand for redistribution. In particular, we are interested in understanding whether individuals with different preference types hold different beliefs about the extent of inequality and whether the causal effect of beliefs on support for redistribution differs across preference types. This endeavour requires the following

elements: i) a clean and independent measure of social preferences, ii) a baseline measure of beliefs about inequality, iii) an exogenous shock to beliefs about inequality, and iv) an incentivized measure of demand for redistribution. We approach this task by conducting a staggered experiment with two waves.⁵ The key features of our experiment are summarized in Figure 1 below.

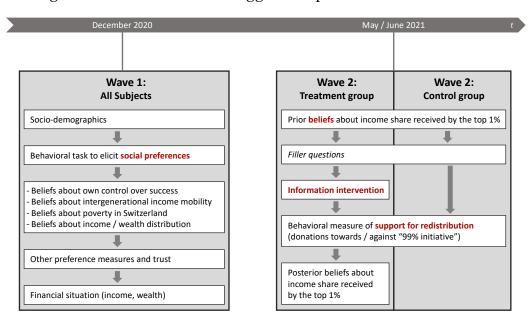


Figure 1: Overview of our staggered experiment with two waves

The main goal of the first wave is to measure the distributive preferences of Swiss voters. We also use this wave to collect information on respondents' socio-demographics and on a set of beliefs that have been shown to matter for support for redistribution, such as beliefs about the determinants of individual success, beliefs about intergenerational income mobility, prior (i.e., pre-intervention) beliefs about poverty, and beliefs about the distributions of income and wealth. In addition, we measure other economic preferences using the preference survey module by Falk et al. (2022). For details on the measurement of these additional variables, see Appendix B.1.

We conduct the second wave six months later. In this second wave, we first mea-

⁵The advantage of separating the elicitation of distributional preferences (first wave) from the belief elicitation (second wave) is that it mitigates the risk of spillovers between the two tasks. This is important as such spillovers might introduce confounds. For example, one could imagine that subjects' stated beliefs about the degree of inequality could make inequality more salient and thereby affect their decisions in the money allocation task used to identify preferences.

sure respondents' prior beliefs about top income inequality in Switzerland (i.e., their beliefs about the share of total income received by the top 1% of income earners). We then exogenously shock these beliefs for half of the respondents by providing them with credible and objective information about the extent of top income inequality in Switzerland. Subsequently, we measure demand for redistribution by allowing all subjects to make a real monetary donation to civic groups that either support or oppose the 99% initiative. Last, we re-elicit treated subjects' beliefs about income inequality in order to assess whether they updated their beliefs.

We provide details on the two waves and on our subject pool in the next subsections.

2.2 Wave 1: Eliciting social preferences

The first wave of our study, which we conducted in December 2020, is aimed at uncovering the distribution of other-regarding preferences among Swiss voters. We approach this task by eliciting respondents' distributional preferences in a set of 12 incentivized money allocation tasks.⁶ In each of these tasks, the participants have to decide how to allocate experimental currency units (ECUs) between themselves and an anonymous other participant of the study.

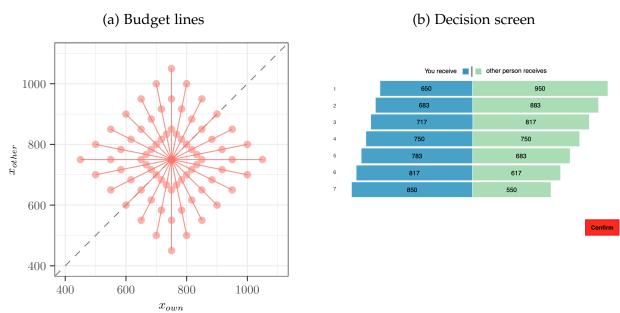
Figure 2a depicts the various budget lines for which subjects had to make a decision. In some decision situations, the decision maker can give up some of her own payoff to *increase* the payoff of the other. In other decision situations, they can pay to *decrease* the payoff of the other. These different choice situations systematically vary the cost and the joint payoff consequences of redistribution; thereby allowing us to identify a wide range of other-regarding behaviors.

Figure 2b illustrates how a typical choice situation was presented to participants. We represented the available choices numerically and graphically in order to make the trade-offs and the associated payoff implications transparent. There were always seven interpersonal allocations (labeled by 1 to 7) available per choice situation, and all of them were located on a budget line. Each available allocation consisted of a

⁶The task used for the clustering and type identification is based on Fehr (r) al. (forthcoming, 2023).

specific distribution of ECUs between the participant (bars labeled by "You receive") and the other person (bars labeled by "other person receives"). In this example, the slope of the budget line is -2, indicating that for every ECU the decision maker gives up, the other player receives 2 ECUs. Perfect equality in payoffs can be achieved by choosing allocation 4.

Figure 2: Measuring other-regarding preferences with a money allocation task



Note: Figure 2a depicts the twelve decision situations (budget lines) for which subjects had to make a decision. For each budget line (i.e., for each decision situation), subjects were asked to choose an interpersonal allocation of ECUs between themselves (x_{own}) and the other person (x_{other}) . Each "budget line" crossed the 45-degree line and comprised seven different (discrete) interpersonal allocations (represented by dots in Figure 2a). Figure 2b illustrates how a typical choice situation was presented to participants.

2.3 Wave 2: Beliefs and information provision experiment

2.3.1 Measuring prior beliefs about income inequality

Six months after the first wave, we contacted the *same* subjects to participate in the second part of the study. This wave starts with questions aimed at measuring respondents' prior beliefs about income inequality. More specifically, we elicit subjects' beliefs about the share (in percent) of the total national income that is received by the top 1% of income-earners in Switzerland. We elicit these beliefs using a two-step approach: We first ask subjects to think about the total income that is received by all the people in Switzerland, and to indicate how much they believe is received by

the top 1% of people with the highest incomes by selecting one out of ten possible brackets (e.g., 0%-10%, 11%-20%, 21%-30%, ..., 91%-100%). We then ask respondents to refine their answer by providing a point estimate within the range they chose.⁷

We purposely chose to elicit respondents' beliefs about the *income* share received by the top 1% (as opposed to, for example, the wealth share of the top 1%, or another measure of inequality) because it more closely corresponds to the main purpose of the 99% initiative, which is to increase income taxes for the top 1% of the income earners (and is largely framed as such). We did not incentivize these beliefs because we were not interested in eliciting correct beliefs but in getting an estimate of their *subjective* perception of the extent of income inequality, i.e., what comes to their mind when they think about the extent of inequality.

2.3.2 Providing respondents with objective information on income inequality

We implement our information intervention after the elicitation of subjects' prior beliefs about the income inequality and several filler questions. We provide credible and objective information about the top income inequality in Switzerland to a random selection of subjects. More specifically, we randomly assign subjects to one of two groups: i) a treatment group in which subjects are provided with factual information about the degree of income inequality, or ii) a pure control group in which subjects receive no information.

Subjects in the treatment group are told the share of the total income that is received by the top 1%. We convey this information, and contrast it with their prior beliefs, using the following sentence :

"You told us that you believe that the 1% of people with the highest incomes in Switzerland receive [xx]% of the total annual income. According to the objective data collected by the Federal Department of Finance, the top 1% actually receive 12% of the total annual income."

We explicitly mention our data source (the Federal Department of Finance) in order to increase the chance that our participants believe the information we pro-

⁷For example, if a subject first answered that the top 1% receive between 21% and 30% of the total income, then they had to provide a precise estimate within this interval. We provide the exact wording in Appendix B.2.

vide them with.⁸ To further illustrate the discrepancy (if any) between respondents' misperceptions and reality, we also provide them with a graphical representation that contrasts these two figures. For details on the information intervention, see Appendix B.3.

2.3.3 Measuring demand for redistribution in the context of the 99% initiative

After the information intervention, we measure all respondents' support for the 99% initiative. We start by describing the content of this initiative using a wording that is close to the wording used in the official voting booklets sent to all the Swiss voters:

"In September 2021, Switzerland will vote on the 99% initiative. The initiative aims at increasing taxation of the richest 1%. The resulting tax revenue shall be used to reduce the taxes for low and middle labor incomes or increasing social transfers. The initiative wants to reach this goal by taxing capital incomes (i.e., incomes that result from capital ownership like, for example, dividends or interest incomes from stocks and bonds) beyond a threshold at a rate that is 50% higher than labor incomes of the same amount."

We then measure respondents' support for, or opposition to, this initiative by allowing them to make a *real monetary donation* to civic organizations that either actively support or actively oppose the 99% initiative. To that end, we endow them with 20 Swiss Francs (CHF). We first ask them whether they lean towards donating money to a civic group that supports the 99% initiative, or whether they lean towards donating to a civic group that opposes the 99% initiative. We then ask them to make a donation of up to CHF 20 to the organizations they lean towards. For example, if a subjects reveals that they lean towards donating to a civic group that opposes the 99% initiative, they have then to decide in a second stage how many—out of the CHF 20—they want to donate to such organizations. These donations are incentive compatible because

⁸We measured participants' trust in the Federal Department of Finance at the end of wave 2 in order to verify that they consider the information trustworthy. Respondents could indicate how trustworthy they find the Federal Department of Finance on a scale from 1 to 7, where 1 means "not trustworthy at all" and 7 means "very trustworthy". Overall, participants find the Swiss Federal Department of Finance very trustworthy (Mean = 5.53; Standard Deviation = 1.20).

⁹We purposefully did not disclose the identity of these civic groups in order to avoid that our subjects condition their donations on their subjective beliefs about the different organizations. However, we provided them with examples of such civic groups.

the donations are effectively made to such civic groups, and because the money the subjects did not donate can be kept by themselves.¹⁰

2.3.4 Exit questionnaire and posterior beliefs

At the end of the second wave, we measure treated subjects' posterior beliefs about income inequality. We asked them to think about the total income that is received by all the people in Switzerland, and to indicate what they think is the share (in percent) of the total income that is received by the top 1% of people with the highest incomes. These posterior beliefs allow us to evaluate whether treated subjects update their beliefs in line with the information we provide them with.¹¹ Finally, we conclude the survey with additional questions on subjects' socio-demographics and their personality traits.

2.4 Data collection, sample, and experimental protocol

Both waves were conducted online with a broadly representative sample of the German- and the French-speaking population of Switzerland and were collected in collaboration with the LINK Institute.¹² In both waves, respondents were paid a show-up fee for their participation, provided that they completed the survey until the end. In the first wave, we also incentivized respondents' choices in the money

¹⁰We decided to measure support for the 99% initiative using this two-step approach for two reasons. First, by giving subjects the possibility to make donations to organizations that *oppose* the 99% initiative, we give subjects more leeway to express their opposition to such a policy proposal, compared to just giving them the choice of only donating 0 francs to a group that supports it. Second, this two-step procedure increases the time spent thinking about the decision and thereby likely reduces the amount of random answers.

¹¹Measuring both priors and posteriors allows us to precisely pin down the extent to which participants learn from the information we provide them, and to distinguish the effects of changes in beliefs from mere priming effects (Haaland et al., 2023). While one might be concerned that measuring both priors and posteriors about the same object might generate stronger demand effects, Roth and Wohlfart (2020) find no evidence that the elicitation of prior beliefs affects learning. In addition, subjects' desire for consistency might even mute the effect of information (Falk and Zimmermann, 2013; Haaland et al., 2023), and recent methodological contributions suggest that even strong experimentally-induced demand effects tend to result in only very modest behavioral responses (de Quidt et al., 2018). To further mitigate such concerns, we added a number of "filler" questions between the information intervention and the elicitation of posterior beliefs. For details on the exact wording of the prior and posterior belief elicitation, see Appendix B.2.

¹²For logistical reasons, we did not conduct the experiment in the Italian-speaking part of Switzerland, which comprises approx. 8% of the Swiss population.

allocation task by paying out each subject on the basis of their decision in one randomly chosen decision situation. In the second wave, respondents could earn whatever fraction of the CHF 20 they decided to keep instead of donating it to civic groups campaigning in favour or against the 99% initiative.¹³

Our final sample comprises the 1,031 subjects who participated in both waves. Descriptive statistics on participants' main socio-demographic characteristics can be found in Table B.1 in Appendix B.4. Overall, our sample is broadly representative of the Swiss voting population in the German and the French language areas with respect to age, gender, geographical area, and income. The average respondent in our sample is 47.6 years old, the share of men is 52.4%, the share of French-speaking respondents is 24.6%, and the median income is CHF 6,000. Table B.1 also shows that the control and the treatment groups are well balanced across the main observable characteristics.

An important concern in studies comprising multiple waves is selective attrition. In Table B.2 in Appendix B.5, we show that attrition between the two waves is orthogonal to the treatment assignment, to the social preference type, and to the main observable characteristics, i.e., we have very little reasons to worry about selective attrition in our sample.¹⁴

Another potential concern with online studies is that subjects do not pay attention to the questions they are asked and simply rush quickly through the survey. In order to measure respondents' attentiveness and to proxy data quality, we added two attention checks to the second wave. These attention checks are aimed at measuring whether participants read survey items carefully before answering them (Berinsky et al., 2014). Data quality is remarkably high in our sample: 79.2% of the subjects correctly answered both attention checks, and only 9.7% failed to pass both checks.¹⁵

¹³Median time to complete wave 1 was 39 minutes, for which respondents were paid an average of CHF 35.5 (including a show-up fee of CHF 15; the exchange rate between points in the money allocation task and Swiss Francs was 40 points per CHF 1). Median time to complete wave 2 was 24 minutes, for which respondents were paid an average of CHF 19.7 (including a show-up fee of CHF 10).

¹⁴In total, 1,383 subjects participated in wave 1 in December 2020, and 1,031 subjects participated in wave 2 in May/June 2021, i.e., the rate of attrition is 25.5%.

¹⁵Some online samples contain considerable proportions of respondents who do not correctly answer attention check questions even in shorter surveys, with fail rates between a third and a half of the sample (see, e.g., Berinsky et al., 2014). Thus, our pass rates can be considered very high.

We pre-registered our experimental design, the main hypotheses, the main outcome variables, and the sample sizes before conducting the second wave of the study. Ethics approval was obtained from the Human Subjects Committee of the Department of Economics of the University of Zurich (OEC IRB #2021-032).

3 The empirical distribution of social preferences

Before turning to the beliefs about inequality and their effect for demand for redistribution, we investigate the empirical distribution of social preferences in our sample. We follow Fehr () al. (forthcoming, 2023) and characterize preference heterogeneity in our sample using the Dirichlet Process (DP-) means (Kulis and Jordan, 2012), a Bayesian nonparametric clustering algorithm that allows to cluster individuals into groups on the basis of their behavioral similarities.

The DP-means algorithm groups individuals into clusters according to their *behavioral similarities*. In our context, clusters are based on the 12 distributional choices made by subjects in the money allocation task, and similarity is measured by "how close" an individual's allocation profile is to the average allocation of a cluster. Ultimately, individuals' are assigned to the cluster whose centroid—i.e., the vector of mean allocations across the 12 distributional choices—is closest to their own allocation profile in the 12-dimensional space of interest.¹⁷

An important aspect of the DP-means approach is that it enables the identification of preference types without committing to a prespecified number of different preference types. Moreover, this approach does neither require an ex-ante specification or parameterization of types, nor does it presume a specific error structure. This means that it remains ex-ante agnostic about key distributional assumptions, and it does not constrain heterogeneity to lie within a predetermined set of models or parameter space.¹⁸ In addition, the DP-means algorithm allows for all possible type partitions

¹⁶The study is pre-registered on the AEA RCT registry (https://www.socialscienceregistry.org/trials/7716).

¹⁷We briefly summarize the key features of this approach in Appendix C.1. For an extensive discussion of this procedure and some applications, see Fehr (\hat{r}) al. (2023).

¹⁸In this regard, our approach differs from previous work (e.g. Bellemare et al., 2008; Fisman et al., 2015, 2017; Bruhin et al., 2018) that characterized preference heterogeneity on the basis of structural assumptions on preferences and error terms.

of the data spanning from a representative agent up to as many types as there are individuals in the population. In this way, it endogenously determines (i) the actual number of types, (ii) the assignment of each individual to one of the types, and (iii) the behavioral (preference) properties of each type.¹⁹

This procedure reveals the existence of three fundamentally distinct preference types. We depict their distribution in the Table 1 below. The largest group (46.5% of the sample) comprises subjects who make predominantly payoff-equalizing choices. These subjects show both a willingness to pay to increase the payoff of others who are worse off, and a willingness to pay to decrease the payoff of others who are better off, consistent with models of inequality aversion (Fehr and Schmidt, 1999; Bolton and Ockenfels, 2000). We therefore assign this cluster the label "inequality averse". The second largest group (38.1% of the sample) comprises individuals who display a strikingly different form of other-regarding behavior: They are also willing to pay in order to increase the payoff of those worse off, but they are generally not willing to pay to reduce the payoff of those who are better off, i.e., they display a high degree of altruism towards the poor but are not willing to reduce the income of those who are better off. This form of other-regarding behavior is consistent with an altruistic concern for the worse off (Charness and Rabin, 2002) and with altruistic other-regarding behavior that incorporates an equity-efficiency tradeoff (Fisman et al., 2007, 2015). We therefore label this behavioral cluster the "altruistic" cluster. The last group comprises the remaining 15.4% of the individuals that make predominantly own-payoff maximizing choices and can therefore be labeled as being "predominantly selfish".

We discuss the characteristic behavior of these qualitatively different behavioral types in Appendix C.2. For an extensive discussion of the identification, the characterization and the validation of these behavioral types, see Fehr (al. (forthcoming, 2023). We also explore the link between individual characteristics and social preferences in Appendix C.3.

¹⁹The fact that the number of types adapts to the data has important benefits (see Kulis and Jordan, 2012). Most notably, as previous work has shown (see Comiter et al., 2016), this feature of the algorithm yields higher quality type-separation than methods that specify the number of types prior to clustering (such as *k*-means).

Table 1: Distribution of behavioral types

Cluster	Shares
Cluster 1 (Inequality Averse)	46.5%
Cluster 2 (Altruistic)	38.1%
Cluster 3 (Selfish)	15.4%
Total	100.0%

Note: The table displays the distribution of individuals to the three clusters (in percent) that emerge in our dataset. The behavioral interpretation of the clusters (indicated in parenthesis in the left column) is based on the interpretation of each cluster's typical behavior provided in Figure C.1.

4 Hypotheses

Our experimental design allows us to shed light on the effects of beliefs about inequality and other-regarding preferences on demand for redistribution. It also allows us to assess whether the effects of beliefs about inequality are preference-dependent.

In previous work, Fehr (\hat{r}) al. (forthcoming) have provided theoretical arguments and empirical evidence that social preferences affect individuals' support for redistribution.²⁰ Building on these results, we hypothesize that social preferences elicited in our money allocation task can help understand support for the 99% initiative.

Hypothesis 1. Individuals with social preferences, in particular the inequality averse, are more supportive of the 99% initiative, compared to selfish individuals.

We predict that the effect may be particularly strong for the inequality averse because Fehr ① al. (forthcoming) also provide some empirical evidence that different social preference types might differ in their support for particular policy proposals. In particular, they show that while inequality averse individuals tend to support policies that primarily aim at reducing the incomes of the rich, altruistic individuals are considerably less supportive of such policies. For this reason, we expect support for the 99% initiative—which was largely framed as a policy that is predominantly concerned with taxing the very rich—to be particularly strong among the inequality averse individuals. Moreover, we speculate that this effect may be particularly large at higher incomes. This is because, at lower incomes, self-interested individuals tend to already have a high demand for redistribution, leaving little scope for social pref-

 $[\]overline{^{20}}$ In the Appendix E, we reproduce the simple theoretical framework discussed in greater details in Fehr (\hat{r}) al. (forthcoming).

erences to influence demand for redistribution (see also Fehr (r) al., forthcoming).²¹

Our second hypothesis relates to the effect of the information intervention for support for the 99% initiative. Previous work has shown that information interventions sometimes have muted average effects, but that these results may hide substantial heterogeneity. For example, some studies have suggested that subjects' response to information interventions such as, e.g., information about the respondent's position in the income distribution, may depend on their political orientation (see, e.g., Karadja et al., 2017; Fehr et al., 2022; Settele, 2022).²² Relatedly, we expect that correcting people's misperceptions about the extent of inequality will primarily affect the demand for redistribution of the inequality averse respondents—who are also predicted to be the ones for which the 99% initiative is predicted to be particularly appealing (see Hypothesis 1)—and that this effect might be particularly large for the inequality averse respondents with an income above the median. In contrast, we expect that individuals who primarily care about their own payoff will remain largely insensitive to new information about the extent of inequality. More precisely, we preregistered the following hypothesis.

HYPOTHESIS 2. A (downward) shock in beliefs about income inequality will cause a larger reduction in the demand for redistribution for inequality averse individuals compared to selfish individuals—an effect that we expect to be particularly pronounced at higher incomes.

We preregistered this conjecture as a one-sided hypothesis because preliminary data on beliefs about the distribution of income gathered in wave 1 indicated that the majority of individuals substantially overestimate the extent of income inequality. It was therefore clear at the moment of preregistration and when we designed our information intervention that the information would shocks beliefs about income inequality of most respondents *downwards* while there was no reason to expect that subjects would, on average, revise their beliefs upwards. Thus, because we are shock-

²¹We discuss the differential role of altruism and inequality aversion, and the role of income, for the political support for different types of policy proposals in greater details in Fehr (r) al. (forthcoming).

²²Note, however, that the evidence of hetereogeneity along political orientation is not unequivocal. In the Appendix A, we review the literature that has analyzed such heterogeneous responses to information interventions in the context of preferences for redistribution and show that while some papers have found evidence of heterogeneous response by political orientation, others did not find such heterogeneities.

ing beliefs about income inequality *downwards* for the vast majority of the individuals, there is no reason to expect that demand for redistribution will increase. If anything, a decrease in beliefs about inequality should either *decrease* demand for redistribution, or leave it unchanged. Because of the clear directional prediction of this conjecture, we evaluate it using one-sided tests. For all other statistical results, we use two-sided tests.

In addition, our experimental design also allows to study the extent and the ways in which beliefs and beliefs updating differ across preference types. A relatively large literature has documented that people have biased beliefs about inequality (e.g., Cruces et al., 2013; Kuziemko et al., 2015; Karadja et al., 2017). Yet, little is known about whether these biases exist for the whole population or whether they depend on individuals' preferences. In particular, we are not aware of any empirical study that systematically relates beliefs about inequality to other-regarding preferences. While beliefs might be identically biased across the whole population, there are also good reasons to think that social preferences and beliefs about inequality are correlated. In particular, it is quite plausible that other-regarding individuals believe that there is more inequality than there actually is, while selfish individuals believe that there is less inequality than there actually is. Much like motivated beliefs, these preferencedependent beliefs might be self-sustaining: it might be easier to remain selfish by convincing oneself that there is little inequality, and it might be easier to remain otherregarding by convincing oneself that there is a lot of inequality. Thus, we conjecture that beliefs may differ by preference type. In particular, we conjecture that otherregarding individuals believe that there is more inequality than selfish individuals (Hypothesis 2).

Hypothesis 3. Other-regarding individuals overestimate the extent of inequality more than selfish individuals.

Our last hypothesis relates to belief updating across the different preference types. While prior beliefs might differ across preference types (Hypothesis 2), whether and how individuals update their beliefs depending on their type is unclear (Hypothesis 3). On the one hand, it is possible that the beliefs updating process depends on the

preference type, and that individuals are unwilling to revise their beliefs upon seeing information that contradicts their priors. For example, other-regarding individuals might be less likely to revise their beliefs downwards if they learn that there is less inequality than they initially thought. In a similar vein, selfish individuals might be reluctant to update their beliefs upwards if they learn that there is more inequality than they initially thought. On the other hand, it is also possible that all individuals update their beliefs "rationally" upon being presented with credible and objective information about income inequality, which would suggest that the beliefs updating process is independent of preferences. However, although there is uncertainty regarding the preference-dependance and the extent of belief updating, it appears reasonable to conjecture that all preferences types respond at least partly to the provision of credible information about inequality.

Hypothesis 4. The information intervention corrects misperceptions about income inequality for all preference types.

5 Income inequality in Switzerland: facts and misperceptions

Before turning to the joint role of beliefs about inequality and other-regarding preferences for political support for redistribution (Hypothesis 1), we discuss the actual extent of income inequality in Switzerland. We also explore whether beliefs about inequality depend on preferences (Hypothesis 2) and the extent to which beliefs updating depends on preferences (Hypothesis 3).

5.1 The distribution of income inequality in Switzerland

Over the last century, the share of total income received by the top 1% of income earners has fluctuated around approximately 10% in Switzerland. While this share dropped well below 10% in the late sixties, it has increased by more than 27% between 1981 and 2010 (Foellmi and Martínez, 2017). By the end of 2018, the top 1% of income earners received 12.08% of the total income in Switzerland (Swiss Federal

Department of Finance, 2022). While this evolution is broadly comparable to other European countries such as Germany or France, it is in stark contrast with the United States, which have experienced a much stronger increase in the income concentration in recent years (Alvaredo et al., 2013) with the top 1% receiving close to 20% of the total US-income in 2022 (World Inequality Database, 2023).

5.2 Respondents' (mis)perceptions of income inequality

Figure 3 depicts the distribution of subjects' misperceptions about the income share received by the top 1%, defined as the difference between subjects' prior belief of the income share received by the top 1% and the truth (12%).²³ On average, respondents largely *overestimate* the share of total income received by the top 1%: They believe that the top 1% receive 54.2% of the total income (SD: 25.6 pp), while the actual share of 12% is almost five times lower (t-test that the mean equals 12%, p < 0.001). In terms of distribution, 93.9% of the sample overestimates inequality, while 3.8% underestimates it, and only a minority of 2.3% of the respondents has correct beliefs.²⁴

These results might come as a surprise given that some studies have found that misperceptions about inequality are more balanced. For example, Cruces et al. (2013) show that misperceptions about relative income are relatively balanced in a sample of Argentinians, i.e., a substantial share of individuals also underestimates inequality. Interestingly, however, they also find that the majority of their sample (55 %) underestimates how rich they are (i.e., they overestimated inequality). Overall, our study is not the only one in which subjects overestimate one dimension of income inequality. For example, Karadja et al. (2017) find that 86% of Swedes believe that they are poorer than they actually are (which can be interpreted as an overestimation of inequality). Likewise, Fehr et al. (2022) find that Germans systematically underestimate their true place in the worlds' income distribution.

Do these misperceptions depend on subjects' preferences (Hypothesis 3)? To shed

²³In Appendix D.3, we show the distribution of prior beliefs.

²⁴The results are qualitatively similar if we rely on the beliefs about the income earned by the top 1% measured in wave 1. While the elicitation technique differed between wave 1 and wave 2 (see Appendix B.1 and B.2 for details), the correlation between prior beliefs about the income of the top 1% elicited in wave 2 and the beliefs elicited in wave 1 is positive and highly significant (ρ = 0.34, p < 0.001). See Appendix D.2 for details.

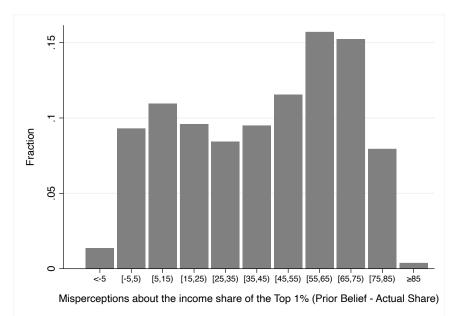


Figure 3: Misperceptions about the income share of the top 1%

Note: This figure shows the distribution of misperceptions about the income share of the top 1% of income earners in Switzerland. The x-axis reports misperceptions, i.e., the difference between the respondent's prior belief and the actual income share received by the Top 1% (in 10 pp-width bins). The y-axis reports the percentage of subjects in each bin.

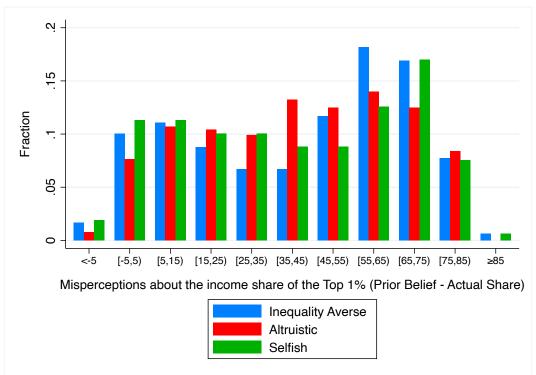
light on this question, we depict the distribution of subjects' misperceptions about the income share of the top 1% as a function of respondents' preference type in Figure 4. The figure indicates that the misperceptions are rather similar across the different preference types. On average, the inequality averse respondents overestimate the share received by the top 1% by 43.1 pp (SD: 26.5 pp), the altruistic respondents overestimate it by 41.8 pp (SD: 24.2 pp), and the selfish subjects by 40.7 pp (SD: 27.0 pp). A Kruskal–Wallis test cannot reject the null hypothesis that individuals with different preference types overestimate inequality to a similar extent (p = 0.478). Altogether, these results suggests that our respondents generally overestimate inequality, and that these misperceptions are not preference-dependent.²⁵

5.3 Correcting misperceptions about income inequality

Can the large and widespread misperceptions about the extent of income inequality documented above be corrected, and how do the different preference types update their beliefs (Hypothesis 4)? To assess the causal effects of beliefs about inequality,

²⁵In Appendix D.1, we show that income does not predict misperceptions. We also show that it does not predict posterior beliefs in Appendix D.4.

Figure 4: Misperceptions about the income share of the top 1% by preference type



Note: This figure shows the distribution of misperceptions about the income share of the top 1% of income earners in Switzerland (by preference type). The x-axis reports misperceptions, i.e., the difference between the respondent's prior belief and the actual income share received by the Top 1% (in 10 pp-width bins). The y-axis reports the percentage of subjects in each bin.

we provided all the subjects from the treatment group with credible and objective information about the share of total income received by the top 1% of income earners (see Section 2.3.2). We then elicited their knowledge about the income distribution once more at the end of the second wave. This allows us to assess whether and how respondents updated their beliefs, and whether beliefs updating depends on preference types.

Overall, the vast majority (77.3%) of treated subjects holds correct posterior beliefs, and this holds true for all preference types (for details, see Appendix D.4). In Figure 5, we depict the belief updating of the treated subjects, i.e., the difference between their posterior and their prior beliefs, as a function of their initial misperceptions and their preference type. The figure shows that the vast majority of subjects who initially overestimated the income share received by the top 1% shifts their beliefs downwards by the correct magnitude, while the small share of individuals who initially underestimated this share shift their beliefs upwards. Importantly, individuals from all three preference types update in the correct direction and by the right magnitude. Moreover, the Figure underscores that the three preferences types update in the right direction not only on average, but for each level of prior beliefs. This is an important result, as it shows that beliefs about inequality adjust accurately, independently of preference types and irrespective of how inaccurate prior beliefs are. While one could have expected, for example, that inequality averse subjects might "want" to believe that there is a lot of inequality and be reluctant to revise their beliefs downwards even in the face of truthful information, our results show that this is clearly not the case. Overall, these results suggest that it is unlikely that different preference types hold "motivated beliefs" that help them justify their preferences.

The fact that prior beliefs and beliefs updating are independent of preferences has an important implication for our results on the effects of beliefs about inequality on support for redistribution discussed in the next section. If we find that the information intervention affects support for redistribution for only some preference types but not for others, we can rule out that this preference-specific effect is explained by differences in prior beliefs or differences in belief updating across preference types.

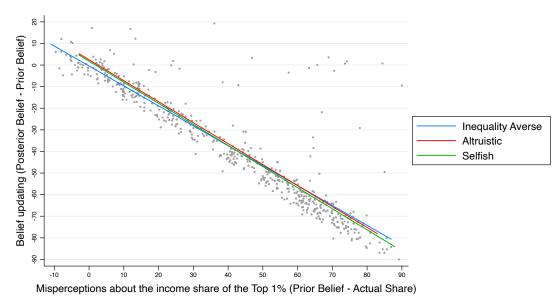


Figure 5: Belief updating by misperceptions and preference type

Note: This figure shows how respondents in the treatment group update their beliefs as a function of their misperceptions of income inequality and their preference type (three separate fitted lines). Belief updating (y-axis) is defined as the difference between treated subjects' posterior and their prior belief about the income share of the Top 1%. The x-axis reports misperceptions, i.e., the difference between the respondent's prior belief and the actual income share received by the Top 1%. Dots represent individual observations. Fitted lines are based on three separate OLS regressions where the dependent variable is belief updating and the independent variable is misperceptions.

6 The effects of beliefs about inequality and otherregarding preferences on support for the 99% initiative

In this section, we investigate the empirical role of social preferences and the causal effect of beliefs about income inequality for respondents' support for the 99% initiative. We also investigate whether the effects of changes in beliefs about inequality are preference-specific.

6.1 Descriptive analysis

For our analysis, we code all the donations made to organizations that *oppose* the 99% initiative with negative values²⁶ and we combine them with the donations made to organizations that *support* the 99% initiative. Our main dependent variable, which we refer to as "support for the 99% initiative", thus ranges from -20 (if the respondent

²⁶For example, we recode a donation of CHF 15 against the 99% initiative with a value of -15.

makes the largest possible donation *against* the 99% initiative) to +20 (if the respondent makes the largest possible donation *in favor* of the 99% initiative). We display the distribution of this variable in Figure D.6 in Appendix D.5.²⁷

We hypothesized that individuals with social preferences, in particular the inequality averse, would be more supportive of the 99% initiative (Hypothesis 1), and that a shock in beliefs would predominantly reduce their demand for redistribution, compared to selfish individuals (Hypothesis 2). Moreover, we speculated that this effect might be particularly large at higher incomes. We first shed light on these questions at the descriptive level. We display the average donations for the 99% initiative as a function of respondents' preference type and their income in Figure 6.

Inequality Averse Altruistic Selfish Support for the 99% initiative in CHF (with standard errors) standard errors) the 99% initiative in CHF (with standard errors) Ξ 9 9 8 9 10 6 6 ω ω (with 9 9 2 2 2 ო က က N N a %66 the 0 0 0 Support for for Support Below median Above median Below median Above median Below median Above median Control Treatment (shock in beliefs about inequality)

Figure 6: The role of income and social preferences for the effect of the information shock on the donations in favor of the 99% initiative

Note: The figure shows the average donation in favor of the 99% initiative (with standard errors). Donations to organizations that oppose the 99% initiative are coded as negative values. The control group comprises subjects who were not exposed to the information intervention. The treatment group comprises subjects who were informed about the true level of income inequality.

Several results are worth highlighting. First, other-regarding respondents tend to be a lot more supportive of the 99% initiative than selfish subjects, consistent with Hypothesis 1. While selfish subjects donate an average of CHF 2.54 in favour of the 99% initiative, those with other-regarding preferences donate more than twice as

²⁷In the Appendix D.5 (Figure D.7), we also plot the average donations by preference type in the control group. This allows to see how social preferences types relate to support for the 99% initiative in absence of the information intervention.

much (they donate an average of CHF 6.73, test of difference: p < 0.001). Second, average donations decrease with income. For respondents with an income below the median, the average donation in favor of the 99% initiative is of CHF 6.89. This donation drops by more than 35%, to CHF 5.10, for respondents with an income above the median (test of difference, p = 0.011). Finally, the effect of the information intervention appears to be the largest among inequality averse subjects (Hypothesis 2), and this effect seems mainly driven by the more affluent individuals. While inequality averse respondents with an income above the median donate an average of CHF 8.95 in the control group, those in the treatment group donate an average of CHF 4.34 (test of difference, p = 0.012), i.e., the affluent inequality averse subjects who revise their beliefs about inequality downwards display much lower support for the 99% initiative than those whose beliefs are not shocked downwards.

6.2 Regression analysis

To shed further light on the causal effect of beliefs about inequality and their interaction with other-regarding preferences, we estimate the following model

Support_i =
$$\beta_0 + \beta_1$$
Treatment_i + β_2 IA_i + β_3 Altruistic_i +
+ β_4 Treatment_i × IA_i + β_5 Treatment_i × Altruistic_i + $\Gamma'X_i + \varepsilon_i$ (1)

where Support $_i$ is our measure of support for the 99% initiative based on subjects donations. Treatment $_i$ is an indicator variable that takes the value one if the respondent is in the information treatment. IA $_i$ is a dummy that takes the value one if the respondent is inequality averse, and Altruistic $_i$ is a dummy that takes the value one if the respondent is altruistic. The two interaction variables, Treatment $_i \times IA_i$ and Treatment $_i \times Altruistic_i$, are aimed at capturing the possible interactions between the treatment and the two other-regarding types. The omitted category in these regressions are the predominantly selfish individuals assigned to the control group. For some of our regressions, we also include a rich set of individual-level controls, X_i , which comprise respondents' socio-demographics, proxies for their economic preferences and general trust (Falk et al., 2022), proxies for their financial situation, as

well as their prior beliefs about the the income share of the top 1%, the determinants of success, the income and wealth distributions in Switzerland, financial mobility, poverty in Switzerland, and distrust in politicians. Finally, ε_i is an individual-specific error term.

We report the results of our estimates in Table $2.^{28}$ Columns 1 and 2 show the average effect of the information intervention on the full sample. On average, a downward shock in beliefs about inequality causes a small but insignificant reduction in donations in favor of the 99% initiative (p = 0.106). This result is consistent with a recent meta-analysis showing that while presenting subjects with information about inequality generally yields large changes in beliefs and successfully corrects misperceptions, it very often does *not* substantially affect demand for redistribution (Ciani et al., 2021). This result hides, however, substantial heterogeneity—as we will discuss below.

Columns 3 and 4 show the results of our main regression on the whole sample. This estimation reveals two important results. First, it shows that individuals with social preferences are significantly more supportive of the 99% initiative than selfish subjects, consistent with Hypothesis 1. This effect is particularly large for inequality averse respondents, who donate an average of CHF 6.87 more than selfish subjects (+0.62 of a standard deviation, p < 0.001). Altruistic subjects also donate more than the selfish (CHF +5.00, +0.45 of a standard deviation, p = 0.001), but the magnitude of this effect is lower than for the inequality averse (p = 0.054). Column 4 shows that these effects survive the inclusion of a large set of control variables.

Second, it shows that the effects of the information shock are heterogeneous. We predicted that the information intervention would predominantly reduce the demand for redistribution of inequality averse individuals compared to selfish individuals (Hypothesis 2). Columns 3 and 4 provide evidence of such a heterogeneous response to the information intervention by preference type. For example, column 3 shows that the information shock yields a large reduction in donations for inequality averse subjects (CHF -4.30, approximately -0.4 of a standard deviation, p = 0.023) compared to the treated selfish subjects, consistent with our predictions. However, the treatment

²⁸For transparency, we also depict the full regression results in Table D.1 in Appendix D.6.

does not significantly affect the donations of the altruistic subjects (compared to the treated selfish) nor the donations of the selfish.²⁹

Furthermore, prior work suggests that the effect of social preferences might be particularly pronounced at higher incomes (Fehr r al., forthcoming). To test this hypothesis we estimate equation (1) separately for respondents with an income below the median, and for respondents with an income above the median. We depict the results of these estimations in columns 5-8.³⁰

Consistent with previous findings, we find that—in the control group—the association between other-regarding preferences and support for the 99% initiative is particularly pronounced among individuals with incomes above the median. While the association is insignificant among individuals with an income below the median (see, e.g., column 6), it is relatively large and strongly significant among those with an income above the median (columns 7-8).³¹

Turning to the effect of the information intervention, we find that our treatment does *not* affect the demand for redistribution of subjects with an income below the median. Treated selfish subjects increase their support for the 99% initiative by CHF 1.73, but the effect is not significant (p = 0.540). Compared to the treated selfish, treated inequality averse subjects reduce their support for the 99% initiative by CHF 2.31 and treated altruists by CHF 2.29, but neither of these effects is statistically significant. The picture is very different among subjects with an income above the median. There, too, treated selfish subjects slightly increase their support for the 99% initiative (CHF +2.55), but the effect is not significant (p = 0.348). However, we observe a sharp decrease in support for the 99% initiative for the inequality averse subjects with an income above the median (CHF -6.54, or -0.59 of a standard deviation), *compared to*

 $^{^{29}}$ Note that the treatment effect on the inequality averse (CHF -4.30) is larger in magnitude but not significantly different from the treatment effect on the altruistic subjects (CHF -2.95, p = 0.347). This result is *not* inconsistent with our Hypothesis 2, which conjectures that treated inequality averse subjects will reduce their support for the 99% initiative in comparison to treated selfish—in particular at higher incomes.

³⁰51 subjects did not disclose their income and are thus not included in columns 5-8.

 $^{^{31}}$ The inequality averse subjects with an above-median income donate significantly more than the selfish (Column 8: CHF +6.41 or 0.58 of a standard deviation, p=0.003). Likewise, the altruistic subjects with an above-median income donate significantly more than the selfish (Column 8: CHF +5.43 or 0.49 of a standard deviation, p=0.014). In contrast, the coefficient for altruistic subjects with an income below the median is insignificant (Column 6: p=0.140) and the one for inequality averse subjects with an income below the median is only very weakly significant (Column 6: p=0.067).

the treated selfish subjects with an income above the median (p = 0.022 for $H_0: \beta_4 \ge 0$, see the p-values for the relevant test at the bottom of the Table), consistent with what we conjectured in Hypothesis 2.³² Finally, note that altruistic subjects with an income above the median also reduce their support for the 99% initiative (CHF -4.19) compared to the treated selfish with an above the median income, but the effect is smaller in magnitude than for the inequality averse and insignificant (p = 0.200).

Overall, these results highlight the heterogeneous effects of beliefs about inequality and other-regarding preferences for demand for redistribution. While all subjects tend to have biased beliefs about the extent of income inequality, correcting these misperceptions significantly reduces the demand for redistribution of the inequality averse compared to the treated selfish subjects, in particular among individuals with higher incomes, consistent with what we conjectured.³³

6.3 Robustness and additional analyses

One potential concern with information experiments conducted online is that some individuals might not pay attention to the information that is presented to them, which could considerably alter the results of the study (Berinsky et al., 2014). To account for this potential problem, our study included attention checks. Less than 10% of the subjects failed to correctly answer our screener questions, which is very reassuring and relatively low compared to related studies.³⁴ Overall, our main results are broadly robust to excluding subjects who did not pass the attention checks (see Appendix D.7), although the statistical significance of some of the results weakens when we restrict the sample to subjects who passed both attention checks. However, note that these restrictions considerably reduce our sample size and our ability to detect treatment and interaction effects.

 $^{^{32}}$ While we find evidence for Hypothesis 2, note that a test of equality of coefficient fails to reject the null hypothesis that the interaction coefficient between treatment and inequality aversion (Treat x IA) equals the interaction coefficient between treatment and altruism (Treat x Altruistic) (p = 0.354).

³³In the Appendix D.9, we show that using self-reported measures of support for redistribution as a dependent variable instead of our incentivized measure of support for the 99% initiative yields qualitatively very similar results.

³⁴For example, between 30 and 50 percent of the participants fail to pass the attention checks in the studies reported in Berinsky et al. (2014).

Table 2: Determinants of donations in favor of the 99% initiative

	Full sample				Below median income		Above median income	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treatment	-1.106 (0.684)	-0.999 (0.668)	1.983 (1.881)	2.042 (1.825)	0.436 (2.694)	1.727 (2.815)	2.643 (2.860)	2.553 (2.718)
IA			6.871*** (1.519)	5.341*** (1.514)	4.721** (2.123)	4.501* (2.454)	8.232*** (2.288)	6.407*** (2.130)
Altruistic			5.001*** (1.554)	4.350*** (1.536)	3.777* (2.156)	3.730 (2.523)	5.133** (2.337)	5.434** (2.194)
Treat x IA			-4.298** (2.145)	-3.909* (2.091)	-1.001 (2.981)	-2.315 (3.077)	-7.252** (3.381)	-6.542** (3.247)
Treat x Altruistic			-2.951 (2.129)	-3.258 (2.066)	-0.716 (2.932)	-2.289 (3.069)	-4.252 (3.356)	-4.195 (3.266)
Constant	6.644*** (0.471)	-0.708 (4.592)	1.568 (1.376)	-4.795 (4.875)	3.314* (1.964)	-1.754 (6.243)	0.721 (1.996)	-11.661 (9.310)
Beliefs	No	Yes	No	Yes	No	Yes	No	Yes
Socio-demographics	No	Yes	No	Yes	No	Yes	No	Yes
Education	No	Yes	No	Yes	No	Yes	No	Yes
Occupation	No	Yes	No	Yes	No	Yes	No	Yes
Preference measures	No	Yes	No	Yes	No	Yes	No	Yes
Wealth bracket dummies & financial assets	No	Yes	No	Yes	No	Yes	No	Yes
p-value(Ho: Treat x IA ≥ 0) p-value(Ho: Treat x Altruistic = 0) p-value(Ho: Treat x IA = Treat x Altruistic) p-value(Ho: Treatment = 0)	0.106	0.135	0.023 0.166 0.347 0.292	0.031 0.115 0.645 0.263	0.369 0.807 0.868 0.872	0.226 0.456 0.988 0.540	0.016 0.206 0.234 0.356	0.022 0.200 0.354 0.348
p-value(Ho: Treatment + Treat x IA = 0) p-value(Ho: Treatment + Treat x Altruistic = 0)			0.025 0.332	0.067 0.214	0.658 0.809	0.641 0.638	0.011 0.360	0.023 0.359
R ² Observations	0.003 1031	0.132 1030	0.029 1031	0.146 1030	0.020 558	0.136 557	0.038 422	0.232 422

Note: OLS regression. The dependent variable is the donation amount towards an organization in favor of the 99% initiative for the full sample (columns 1-4), for subjects with an income below the median (columns 5-6), and for subjects with an income above the median (columns 7-8). Subjects who did not disclose their income are not included in columns 5-8. Beliefs include subjects' prior beliefs about the income share of the top 1%, their prior beliefs about income and wealth distributions in Switzerland, as well as their beliefs about the determinants of success, financial mobility, poverty in Switzerland, and distrust in politicians. Socio-demographics include age, age squared, a dummy variable indicating whether the respondent is male, a dummy variable indicating whether the respondent's native language is French, and a dummy indicating whether the respondent is married. Education includes dummies indicating a respondent's highest educational achievement (compulsory school, vocational training, high school, university, or other). Occupation includes dummies indicating a respondent's occupation status (currently has a full-time job, a part-time job, is a student, is a pensioner, is unemployed, or other), a dummy variable indicating whether the respondent has experienced unemployment in the past. Preference measures from the global preference survey (Falk et al., 2022) include measures of risk aversion, (positive and negative) reciprocity, impatience, and general trust in strangers. Wealth bracket dummies and financial assets include dummy variables for each wealth level, and a dummy variable indicating whether the respondent has invested part of her wealth in financial assets. For a detailed explanation of the covariates, see Appendix B.1. Robust standard errors are reported in parentheses. p-value(Ho: Treat \times IA \ge 0) indicates the p-value associated with a one-sided test evaluating the null hypothesis that the information intervention has a non-negative effect on the donations of the inequality averse subjects. Levels of significance: *p < .1, **p < .05, ***p < .01.

In addition, we also show in Appendix D.8 that our results are also broadly robust to focusing only on subjects who overestimated the income share of the top 1%, or to restricting the sample on subjects with "large" misperceptions, i.e., misperceptions greater than 10 percentage points—following the approach in Karadja et al. (2017) and Cruces et al. (2013).

The analysis reported throughout the paper focuses on subjects' donations to organizations that are in favor or against the 99% initiative. While this has the advantage of being a behavioral measure of support for a real world policy proposal, this measure has the drawback that it might conflate self-interest with policy preferences. In particular, it might be that selfish subjects donate little in support (or against) the 99% initiative because they are maximizing their own payoff, which might also explain why they do not react to the treatment. In Appendix D.9, we show that this is *not* the case. Indeed, our main results are broadly robust to using self-reported measures of support for redistribution as a main dependent variable.

Another potential concern with information provision studies are experimenter demand effects (see, e.g., Haaland et al., 2023). While demand effects can be a serious concern in some settings, we believe that they are unlikely to be a threat to our results due to the preference-specificity of the predictions we are testing. Indeed, we hypothesized (Hypothesis 2) that a shock in beliefs about inequality would predominantly decrease the demand for redistribution of inequality averse subjects, in particular those with an income above the median. If our results were predominantly driven by experimenter demand effects, we should observe that *all* subjects adjust their demand for redistribution as a response to our information treatment, irrespective of their preference type and their income. This is however *not* what we find. Instead, the information intervention affects the demand for redistribution of inequality averse subjects, in particular the affluent ones, consistent with what we conjectured. In addition, recent methodological contributions have shown that strong demand effects (generated on purpose by the experimenter) result in only very modest behavioral responses in similar survey experiments (de Quidt et al., 2018).

7 Concluding remarks

Over the last decade, several studies have highlighted the role of beliefs about inequality as well as the role of other-regarding preferences for support for redistribution. These two strands of the literature have largely evolved separately. In this paper, we studied the nature of support for redistribution by exploring the *joint* role of social preferences and beliefs about inequality. We also explored whether beliefs about inequality and beliefs updating depend on preferences. We investigated these questions by conducting an online experiment with a representative sample of the Swiss population in the context of the 99% initiative, a highly redistributive policy proposal aimed at increasing taxes on the richest individuals in Switzerland.

We showed that the vast majority of individuals overestimate the extent of income inequality in Switzerland, and that these misperceptions are independent of preference types. We also showed that all subjects update their beliefs correctly upon receiving information about the true share of total income received by the top 1% of income earners, irrespective of their preferences.

In addition, we showed that social preferences are an important predictor of support for the 99% initiative—consistent with past evidence that social preferences elicited experimentally can be helpful to understand people's support for real world policies (see, e.g., Fehr (r) al., forthcoming; Fisman et al., 2017; Kerschbamer and Müller, 2020). In our context, we find that support for the 99% initiative is particularly large among inequality averse respondents, especially at higher incomes.

Turning to the effects of beliefs about inequality for support for redistribution, we showed that while our information intervention successfully corrected subjects' misperceptions, it essentially did *not* affect average support for redistribution, consistent with a recent meta-analysis on the causal effects of beliefs about inequality for demand for redistribution (Ciani et al., 2021). This average result hides, however, important heterogeneity. Indeed, the downwards shocks in beliefs about inequality generated a large and significant *decrease* in donations in favour of the 99% initiative among inequality averse respondents, but it did *not* affect the donations of the remaining subjects. This effect appears to be mainly driven by higher incomes indi-

viduals, consistent with what we hypothesized.

Altogether, these results highlight the joint importance of beliefs about inequality and other-regarding preferences for demand for redistribution. They also underscore the possibly large heterogeneous effects that information interventions might generate and that remain hidden in aggregate analyses. While previous work has explored the heterogeneous effects of information (about inequality) by political ideology, we show the existence of significant heterogeneities by preference type. These heterogeneous effects could explain the somewhat puzzling finding that information interventions often successfully generate large corrections in beliefs about inequality without substantially affecting demand for redistribution, as documented in a recent meta-analysis (Ciani et al., 2021).

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A Review of survey experiments

Table A.1: Survey experiments in the context of redistribution and inequality and heterogeneous effects along political ideology

		Eff	Effect on support for redistribution	on
Keierence	Bellets snocked	Average effect	Left-leaning respondents	Right-leaning respondents
Alesina, Stantcheva, and Teso (2018)	Intergenerational mobility	No effect	Positive	No effect
Cruces, Perez- Truglia & Tetaz (2013)	Position (relative) in income distribution	Positive (among those who overrestimated their relative income position)	N.A.	N.A.
Fehr, Mollerstrom,	Position in national income distribution	No effect	Negative	No effect
Perez-Truglia (2022)	Position in global income distribution	No effect	No effect	No effect
Haaland and Roth (2023)	Racial discrimination in hiring	Muted effect	No effect	No effect
Karadja, Mollerstrom, and Seim (2017)	Position (relative) in income distribution	Negative (among those who substantially underestimated their relative income position)	No effect	Negative
Kuziemko et al.	"Omnibus" treatment: Knowledge of income inequality and the overall economic impact of redistributive policies	Muted effects on support for redistribution (exception: stronger support for estate taxes)	N.A.	N.A.
(577)	"Emotional" treatment: Beliefs about the struggle of low-income families	Muted effects	N.A.	N.A.
Fenton (2020)				
based on data by Kuziemko et al. (2015)	"Policy" treatment: Knowledge of the resources provided to help low-income families	Muted effects (exception: stronger support for minimum wage)	No effect	Positive
Lergetporer, Werner & Woessmann (2020)	Educational inequality	Muted effects	No effect	No effect
Settele (2022)	Gender wage gap	Positive	Positive	No effect

B Background information on experimental tasks, survey measures and population sample

B.1 Details on the measurement of covariates from wave 1

Socio-demographics

We collected information on age, gender, language region, marital status, the highest achieved level of education (compulsory school, vocational training, high school, university, other), occupational status (full time job, part-time job, student, pensioner, currently unemployed, other), whether the individual has experienced unemployment in the past, and municipality of residence.

Belief about own control over success

"People differ in their views regarding why some people get ahead and succeed in life while others do not succeed. Please tell us how important you think each of the factors listed below is for why some people get ahead and succeed in life. For each factor, please give your answer on a scale from 0 to 10, where 0 means "not at all important" and 10 means "extremely important". You can choose any number between 0 and 10." (Source: Fong (2001) and Gallup)

- Willingness to take risks
- Inherited wealth (reverse coded)
- Hard work and initiative
- Luck, being at the right time at the right place (reverse coded)
- Striving for the right education and training

We then create an index by averaging out these five items.

Belief about intergenerational income mobility

"We would like to ask you what you think about the life opportunities of children born in the poorest families in Switzerland. For the following question, we focus on 500 families that represent all the Swiss families with children. We divide them into five groups on the basis of their income, with each group containing 100 families. These groups are: the richest 100 families, the second richest 100 families, the middle 100 families, the second poorest 100 families, and the poorest 100 families. All these groups are depicted in the figure below, ranked from the richest families to the poorest families. In your opinion, out of 100 children coming from the poorest 100 families, how many will belong to each of the five income groups depicted in the picture below once they become adults? Please fill out the entries to the right of the figure below. Note that your entries need to add up to 100 and that no decimals are allowed. From our experience, this question takes a bit of time to be answered carefully."(Source: Alesina et al. (2018))

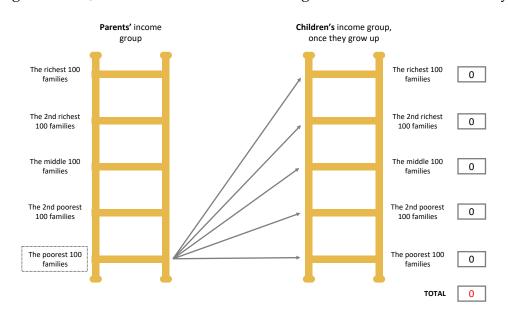


Figure B.1: Question to elicit belief of intergenerational income mobility

Belief about degree of poverty in Switzerland

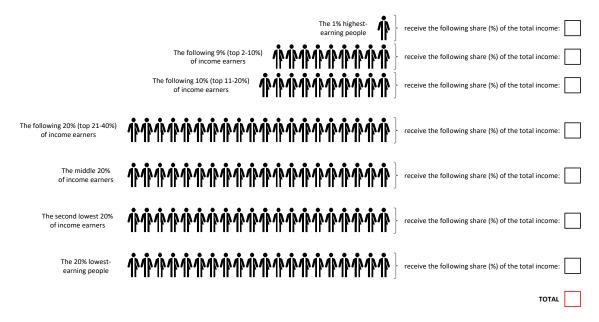
"According to the Swiss Federal Office for Statistics, the poverty line in Switzerland is equal to 2'293 francs per month for a single-person household, and 3'968 francs per month for a household with two adults and two children. This means that any single-person household living with less than 2'293 francs per month is considered as "living in poverty". Similarly, a person living in a household consisting of 2 children and 2 adults with an income of less than 3'968 francs per month is considered as "living in poverty". Currently, Switzerland has a population of 8.6 million people. In your opinion, how many people in Switzerland currently

live with an income below the poverty line?" [1. Less than 100'000 people, 2. Between 100'001 and 200'000 people, 3. Between 200'001 and 300'000 people, 4. Between 300'001 and 400'000 people, 5. Between 400'001 and 500'000 people, 6. Between 500'001 and 600'000 people, 7. Between 600'001 and 700'000 people, 8. Between 700'001 and 800'000 people, 9. Between 800'001 and 900'000 people, 10. Between 900'001 and 1 million people, 11. Above 1 million people]

Belief about income distribution

"The next question refers to your perception of the income received by different groups of people in Switzerland. By "income" we mean all the revenue people receive for their work, but also the revenue they get from their investments (e.g., returns on bonds, stocks or bank account) or what they receive from the state (e.g., pensions or other welfare benefits). For this question, we focus on 100 individuals that represent the Swiss population. We divide these 100 people into 7 different groups, ranging from the 1% of the people with the highest income in Switzerland (the top 1%), to the 20% of the people with the lowest income in Switzerland (the bottom 20%). All these groups are depicted in the figure below, ranked from the 1% with the highest income to the 20% with the lowest incomes. Think about the total income that is received by all the people in Switzerland. In your opinion, what percent of the total income in Switzerland does each of the groups shown in the figure below receive? Please fill out the entries to the right of the figure below. Note that your entries need to add up to 100 and that no decimals are allowed. From our experience, this question takes a bit of time to be answered carefully."

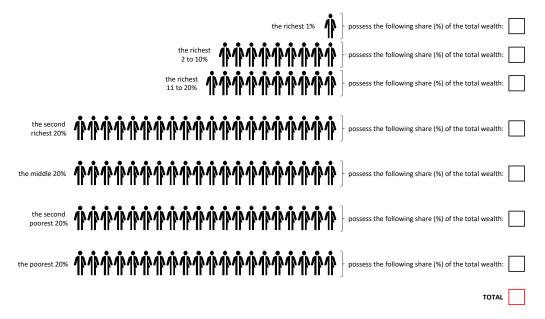
Figure B.2: Question to elicit belief of income distribution



Belief about wealth distribution

"The next question refers to your perception of how much wealth is possessed by different groups of people in Switzerland. By "wealth", also known as net worth, we mean the total value of everything someone owns minus any debt that he or she owes. A person's net worth includes the sum of all their savings and all their other assets such as real estate property, stocks, bonds, art collections, etc., minus the sum of all their liabilities such as loans and mortgages. For this question, we focus on 100 people that represent the Swiss population. We divide these 100 people into 7 different groups, ranging from the 1% of the people with the highest wealth in Switzerland (the richest 1%) to the 20% of the people with the lowest wealth in Switzerland (the poorest 20%). All these groups are depicted in the figure below, ranked from the 1% with the highest wealth to the 20% with the lowest wealth. Think about all the wealth that is possessed by all the people in Switzerland. In your opinion, what percent of total wealth in Switzerland is possessed by each of the groups shown in the figure below? Please fill out the entries to the right of the figure below. Note that your entries need to add up to 100 and that no decimals are allowed. From our experience, this question takes a bit of time to be answered carefully."

Figure B.3: Question to elicit belief of wealth distribution



Distrust in politicians

"What do you think about the following statement? Swiss politicians work to enrich themselves and the lobbies that they support instead of working for the benefit of the majority of the citizens." [1. Completely disagree, 2. Disagree, 3.Rather disagree, 4. Neither agree nor disagree, 5. Rather Agree, 6. Agree, 7.Absolutely agree]

Preference measures and trust

We measured risk preferences, patience, negative reciprocity and positive reciprocity, as well as subjects' general trust in people with the experimentally validated survey questions of Falk et al. (2022).

Financial situation

Own income. "We now turn to a few questions that relate to your income and your current financial situation. By "income" we mean all the revenue you receive for your work, but also the revenue you get from your investments (e.g., returns on bonds, stocks or bank account) or what you receive from the state (e.g., pensions or other welfare benefits). How much was your income last month (before taxes)? [Less than 3'000 francs, between 3,001 and 4,000 francs,

between 4,001 and 5,000 francs, ..., between 13'001 and 14'000 francs, between 14'001 and 15'000 francs, more than 15'000 francs, No answer]

Income mobility Two mobility measures are constructed from the following three questions (based on Fong (2001) and Gallup):

- 1. Think of the picture of a ladder. Suppose we say that step 10, which is at the top of the ladder, represents the group with the highest income in Switzerland, and that step 0, at the bottom of the ladder, represents the group with the lowest income in Switzerland. On which step of the ladder do you feel you personally stand at the present time? [0, ..., 10] [current step]
- 2. On which step would you say you stood five years ago? [0, ..., 10] [past step]
- 3. Just your best guess, on which step do you think you will stand in five years? [0, ..., 10] [future step]

Based on these questions, we create the following two measures:

- Beliefs about future mobility = future step current step.
- Perceived past mobility = current step past step.

Own wealth "We now turn to a few questions that relate to your wealth and the wealth you might have inherited from your parents. By "wealth", also known as net worth, we mean the total value of everything you own minus any debt that you owe. Your net worth includes the sum of all your savings and all your other assets such as real estate property, stocks, bonds, art collections, etc., minus the sum of all your liabilities such as loans and mortgages. Think about the sum of everything you own, minus the debt you owe. How much do you estimate is your current net worth? [My debt exceeds what I own, Between 0 and 25'000 francs, Between 25'001 and 50'000 francs, Between 50'001 and 75'000 francs, Between 75'001 and 100'000 francs, Between 100'001 and 200'000 francs, Between 200'001 and 500'000 francs, more than 2'000'000 francs, No answer]

Capital investments *Is part of your wealth invested in funds, shares, bonds, and similar financial assets? (For this question, please ignore retirement provisions that relate to your 2. pillar.) [Yes,No]*

B.2 Details on the measurement of covariates from wave 2

Beliefs about income inequality (Priors) We elicit these beliefs using a two-step approach. First, we ask

Think about the total income that is received by all the people in Switzerland. In your opinion, what is the share (in %) of the total income that is received by the top 1% of people with the highest incomes in Switzerland? [0-10%, 11-20%......, 91-100%]

Next, we refine participants answers by asking them to provide a point estimate within the range they chose

You just indicated that you believe that the share of the total income that is received by the top 1% of people with the highest incomes in Switzerland lies between X and Y%. Please give your precise estimate within this interval now. In my opinion, the share of the total income that is received by the top 1% of people with the highest incomes in Switzerland is [...] %.

Beliefs about income inequality (Posterior) We elicit posterior beliefs about income inequality using the following question:

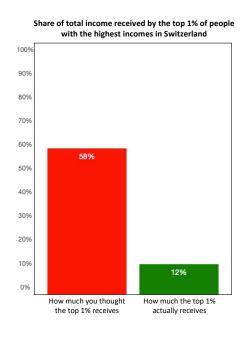
We now would like to ask you again about your knowledge about the income distribution in Switzerland. Think about the total income that is received by all the people in Switzerland. According to your knowledge, what is the share (in %) of the total income that is received by the top 1% of people with the highest incomes in Switzerland? [...] %

B.3 Information intervention

The information intervention consists of two separate screens. On the first screen, treated subjects receive the following introductory message: "In recent years, questions related to the distribution of income have been frequently discussed in the society. When discussing such issues, it is important to have accurate information. The Federal Department of Finance collects data that provide an objective measure of the extent of income inequality in Switzerland. As you might not be aware of these numbers, we will reveal them to you in the next screen." The information is provided on the second screen (see the screenshot below). It contains four elements: 1. We tell subjects whether they are [overestimating, underestimating, correctly estimating] the income share of the top 1%; 2. We remind them of their prior belief; 3. We inform them about the true share of total income that is received by the top 1% of people with the highest incomes in Switzerland using the latest objective data collected by the Federal Department of Finance; 4. We also provide a graphical representation of how their prior belief compares with the truth.

Figure B.4: Presentation format of the information intervention (example of a participant who overestimates inequality)

You are overestimating the income share that the top 1% of people with the highest incomes in Switzerland receive. You told us that you believe that they receive 58% of the total annual income (red bar in graph below). According to the objective data collected by the Federal Department of Finance, the top 1% actually receive 12% of the total annual income (green bar in graph below).



B.4 Demographic characteristics of sample population

We depict the main descriptive statistics in Table B.1, separately for the treatment and the control group. The last column indicates that our treatment is well balanced across the main observable characteristics, as well as across preference types. The table also indicates that our sample is broadly representative of the Swiss population with respect to age, gender, geographical area, and income.

Table B.1: Descriptive statistics and balance checks

	Population	Treatment	Control	<i>p</i> -value (<i>t</i> -test)
Age (mean)	51.1	46.8	48.3	.101
Male	0.48	0.53	0.52	.702
French-speaking	0.25	0.27	0.23	.143
Income bracket : ≤ CHF 4000	0.28	0.32	0.32	.852
Income bracket: CHF 4001-6000	0.26	0.22	0.22	.841
Income bracket: CHF 6001-8000	0.22	0.21	0.19	.490
Income bracket: CHF 8001-10000	0.12	0.11	0.11	.978
Income bracket: CHF 10001-15000	0.09	0.06	0.08	.173
Income bracket : ≥ CHF 15000	0.03	0.02	0.03	.628
Income bracket : NA	-	0.05	0.05	.541
Above-median belief about own control over success	-	0.46	0.46	.957
Prior belief about income share of top 1%	-	52.9	55.6	.091
Above-median prior belief about income share of top 1%	-	0.47	0.52	.113
Inequality Averse type	-	0.46	0.47	.902
Altruistic type	-	0.39	0.37	.641
Selfish type	-	0.15	0.16	.647

Note: The table displays descriptive statistics of the Swiss population and of our sample, separately for the treatment and the control group. The descriptive statistics include age (mean), the share of male people, the share of French-speaking people, as well as the shares of people falling into each monthly income bracket. The population data were obtained from the Swiss Federal Bureau of Statistics (2018) and are restricted to the adult Swiss population (i.e., individuals holding a Swiss passport who are at least 18 years old). In addition, the descriptive statistics include the share of subjects with above-median beliefs about own control over success in life, the prior belief about the income share of the top 1% (percentage), as well as the share of subjects with above-median prior beliefs about the income share of the top 1%. Finally, the descriptive statistics include the shares of inequality averse, altruistic, and selfish subjects.

B.5 Attrition

In the Table B.2, we show that participation in the second wave is orthogonal to the treatment, to the preference type, and to the bulk of the observable characteristics. Note that older respondents are slightly more likely *not* to drop out between waves.

Table B.2: Participation in 2021 wave

	(1)	(2)	(3)	(4)	(5)	(6)
Treatment	0.016					0.020
	(0.023)					(0.023)
IA		0.022				0.024
		(0.034)				(0.035)
Altruistic		-0.030				0.015
		(0.036)				(0.036)
Income bracket: ≤ CHF 4000			-0.014			0.001
			(0.057)			(0.057)
Income bracket: CHF 4001-6000			0.026			0.017
I 1 4 CHE (001 0000			(0.059)			(0.058)
Income bracket: CHF 6001-8000			0.070			0.039
Income bracket: CHF 8001-10000			(0.059)			(0.059)
Income bracket: CHF 8001-10000			0.009 (0.064)			-0.037 (0.064)
Income bracket: CHF 10001-15000			0.041			-0.008
filcome bracket. CTF 10001-15000			(0.069)			(0.070)
Income bracket: > CHF 15000			-0.043			-0.090
niconic bracket. > C111 15000			(0.095)			(0.094)
Above-median belief of own control over success			(0.050)	0.009		0.007
Theore median sense of own control over success				(0.024)		(0.023)
Male				(0.02-)	0.029	0.035
					(0.023)	(0.025)
Age					0.005***	0.005***
·					(0.001)	(0.001)
French-speaking					-0.020	-0.020
					(0.027)	(0.027)
Constant	0.737***	0.748***	0.729***	0.741***	0.509***	0.468***
	(0.017)	(0.030)	(0.053)	(0.016)	(0.041)	(0.075)
R^2	0.000	0.003	0.005	0.000	0.033	0.038
Observations	1383	1383	1383	1383	1383	1383

Note: OLS regression. The dependent variable equals 1 if the individual from the first wave participated in the second wave and equals 0 if the individual did not participate. Treatment is a dummy variable indicating whether the respondent is randomized into the information treatment. IA is a dummy that takes the value 1 if the respondent is inequality averse, and Altruistic is a dummy that takes the value 1 if the respondent is altruistic. Income brackets are dummy variables that equal 1 if the respondent falls into the respective monthly income category. Above-median beliefs about own control over success is a dummy variable indicating whether a subject has high beliefs of own control over success in life. Further socio-demographic variables include a dummy variable indicating whether the respondent is male, age, and a dummy variable indicating whether the respondent's native language is French. Levels of significance: *p < .1, **p < .05, ***p < .01.

C Identifying preference types using DP-Means

C.1 The method

We identify heterogeneity in preferences by applying a nonparametric Bayesian approach—the Dirichlet Process (DP) means clustering algorithm (Kulis and Jordan, 2012). This appendix only provides a brief overview of this method. For a detailed description of the DPM algorithm and for a discussion of its key differences with other clustering methods, see Fehr (r) al. (forthcoming, 2023).

This DP-means algorithm groups individuals into clusters according to their $be-havioral\ similarities$. In our context, clusters are based on subjects' 12 distributional choices in the money allocation task (Figure 2a), and similarity is measured by "how close" an individual's allocation profile is to the average allocation of a cluster. Our implementation of the algorithm is based on an iterative refinement. We first span an m-dimensional space, with m denoting the number of budget lines used for the clustering algorithm (in our case, m = 12, the twelve budget lines presented in Figure 2a). Each individual's choices are represented by a single point in the 12-dimensional space. We then ask how subjects populate this space. Specifically, we are interested in the number of clusters (i.e. types) that emerge and individuals' assignment to clusters. A cluster is characterized by the set of the individuals assigned to the cluster and the associated mean vector of observations (the "centroid"), which – in our case – represents the mean (cluster- representative) behavior of all individuals in m-dimensional space that belong to the cluster.

We initialize the algorithm with a single centroid specified as the global mean vector. At this stage, all data points are assigned to this single centroid. We then refine by iterating over the following two steps: First, we sequentially go through the list of data points in *m*-dimensional space (i.e. subjects), and check for each subject whether any of the squared Euclidean distances to the centroid exceeds a cluster penalty parameter. If this is the case, we open up a new cluster with the actual data point's location vector as the centroid. Otherwise, we assign the data point to its nearest cluster. Second, we collect the subjects assigned to the same clusters and update the centroids by computing the mean vector for each cluster. These two steps

are repeated until convergence is reached, i.e. until there is no change in subjects' assignments.

An important aspect of the DP-means approach is that it enables the identification of preference types without committing to a prespecified number of different preference types. Moreover, this approach does neither require an ex-ante specification or parameterization of types, nor does it presume a specific error structure. This means that it remains ex-ante agnostic about key distributional assumptions, and it does not constrain heterogeneity to lie within a predetermined set of models or parameter space.³⁵ The DP-means algorithm allows for all possible type partitions of the data spanning from a representative agent up to as many types as there are individuals in the population, i.e., it determines the number of preferences types endogenously. Thus, (i) the actual number of types, (ii) the assignment of each individual to one of the types and (iii) the behavioral (preference) properties of the types emerge endogenously.³⁶

³⁵In this regard, our approach differs from previous work (e.g. Bellemare et al., 2008; Fisman et al., 2015, 2017; Bruhin et al., 2018) that characterized preference heterogeneity on the basis of structural assumptions on preferences and error terms.

 $^{^{36}}$ The fact that the number of types adapts to the data has important benefits (see Kulis and Jordan, 2012). Most notably, as previous work has shown (see Comiter et al., 2016), this feature of the algorithm yields higher quality type-separation than methods that specify the number of types prior to clustering (such as k-means).

C.2 Distribution of choices for each preference type

The application of the DP-means algorithm to the money allocation task in our general population sample suggests the existence of *three* behavioral types. Roughly half of the subjects (46.5%) are assigned to Type 1, around one-third (38.1%) to Type 2, and the remainder (15.4%) to Type 3. The three types differ substantially in terms of their behavior. A careful examination of the decisions of these types permits us to assign them a label with a clear behavioral interpretation.

Figure C.1 depicts the relative share of own-payoff minimizing, payoff-equalizing, and own-payoff-maximizing choices, for each identified cluster.³⁷ Positively sloped budget lines inform us on subjects' willingness to pay to decrease the payoff of those better off, while negatively sloped budget lines inform us on their willingness to pay to increase the payoff of those worse off.

The figure shows that individuals in type 1 predominantly make payoff-equalizing choices, both for negatively sloped budget lines and for positively sloped budget lines. They thus exhibit a willingness to pay (i) for reducing inequality when this involves increasing the other individual's payoff (i.e., for negative slopes) and (ii) when it involves decreasing the other individual's payoff (i.e., for positive slopes). For this reason, we assign them the label *inequality averse*.

This pattern contrasts sharply with individuals assigned to type 2, who display a substantial willingness to pay to increase the other individual's payoff (negatively sloped budget lines), but are generally unwilling to pay to decrease the other's payoff (budget lines with positive slope). We therefore label individuals in this cluster as "altruists."

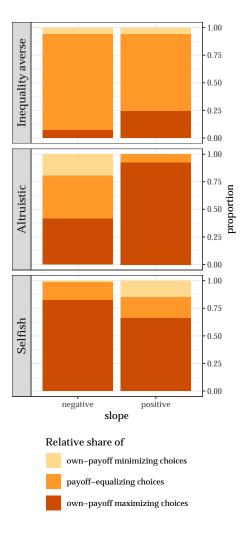
Last, individuals in the third cluster make predominantly own-payoff maximizing choices. We therefore label them as "predominantly selfish".

If our preference interpretation of the behavioral types is correct and stable across budget bundles, the different types should display characteristic behavioral patterns

³⁷Recall that subjects had to make a choice on twelve different budget lines. For each budget line, subjects could choose among seven different allocations. A choice is classified as own-payoff minimizing (own-payoff maximizing) if it belongs to the two choices that give the subject the lowest (highest) payoff. It is classified as payoff-equalizing if it implements perfect equality or one of its nearest neighbouring allocations.

in other situations (out of sample). For example, the inequality averse type should also display a preference for equality in new decision situations. Likewise, the selfish type should also predominantly maximize its own payoff in these alternative budget lines. In Fehr (\hat{r}) al. (forthcoming, 2023), we show that this is indeed the case.

Figure C.1: Distribution of choices for positively and negatively sloped budget lines in each cluster



C.3 The Correlates of Social Preferences

In this Appendix, we explore whether and how the distribution of social preference types varies across different categories of individuals. Table C.1 shows the distribution of preferences between individuals with different sociodemographic characteristics. Recall that, over the whole sample, 46.5 percent of the individuals are inequality averse, 38.12 percent are altruistic, and 15.42 are predimonantly selfish (for convenience, we display these proportions on the top row in bold). The subsequent rows show whether and how these proportion vary with individual characteristics. For example, the second and third rows show how this distribution changes for male and female respondents. Among male respondents, 36.67 percent belong to the inequality averse type, 44.07 percent to the altruistic type, and 19.26 percent to the predominantly selfish type. Turning to women, 57.23 percent are assigned to the inequality averse, 31.57 to the altruistic type and 11.2 percent to the predominantly selfish type. Overall, this table shows that—with some exceptions—the distribution of types is fairly consistent across individuals with different characteristics: The inequality averse type tends to be the most prevalent, while the predominantly selfish type tends to be the least prevalent. In Table C.2, we repeat the exercise but we now explore whether and how the distribution of preference types varies across categories of individuals with different economic preferences (e.g., risk aversion) or with different beliefs (e.g., beliefs about upwards mobility).

C.3.1 Socio-demographics

Table C.1: Distribution of preference types (in %) by socio-demographic characteristics

	Inequality Averse	Altruistic	Selfish
Average type prevalence	46.46	38.12	15.42
Male	36.67	44.07	19.26
Female	57.23	31.57	11.20
Age bracket : 18-25 y.o.	30.77	59.34	9.89
Age bracket : 26-35 y.o.	32.48	55.41	12.10
Age bracket : 36-45 y.o.	41.38	43.97	14.66
Age bracket : 46-55 y.o.	50.00	33.51	16.49
Age bracket : 56-65 y.o.	57.89	27.19	14.91
Age bracket : > 65 y.o.	58.14	17.83	24.03
French-Speaking	43.70	37.01	19.29
Married	51.26	31.91	16.83
Education: Obligatory school	45.83	25.00	29.17
Education: Vocational training	58.58	22.69	18.73
Education: High school	39.29	50.00	10.71
Education: University	34.18	53.57	12.24
Education: Other	54.84	28.23	16.94
Occupation: Full-time worker	43.12	41.06	15.83
Occupation: Part-time worker	51.99	35.02	13.00
Occupation: Student	25.00	69.44	5.56
Occupation: Pensioner	52.60	23.12	24.28
Occupation: Unemployed	46.88	53.12	0.00
Occupation: Other	56.10	24.39	19.51
History of being unemployed in the past	45.53	39.84	14.63

C.3.2 Preference Survey Module and other covariates

Table C.2: Distribution of preference types (in %) by other preference measures and beliefs

	Inequality Averse	Altruistic	Selfish
Average type prevalence	46.46	38.12	15.42
Risk aversion – Low	54.02	34.02	11.97
Risk aversion – High	36.55	43.50	19.96
Positive reciprocity (return favor) – Low	46.66	36.96	16.39
Positive reciprocity (return favor) – High	46.19	39.72	14.09
Positive reciprocity (reciprocate help) – Low	44.71	41.19	14.10
Positive reciprocity (reciprocate help) – High	48.37	34.76	16.87
Negative reciprocity (revenge unfair treatment) – Low	50.69	36.83	12.48
Negative reciprocity (revenge unfair treatment) – High	42.40	39.35	18.25
Negative reciprocity (retaliate intentional malice) – Low	52.01	35.58	12.41
Negative reciprocity (retaliate intentional malice) – High	40.17	40.99	18.84
Impatience – Low	40.52	43.12	16.36
Impatience – High	52.94	32.66	14.40
Trust in people – Low	47.26	34.49	18.25
Trust in people – High	45.55	42.24	12.22
Belief of income share of top 1% – Low	42.75	40.62	16.63
Belief of income share of top 1% – High	50.19	35.60	14.20
Belief of own control over success – Low	46.15	40.43	13.42
Belief of own control over success – High	46.82	35.38	17.80
Belief of intergenerational income mobility – Low	41.78	46.81	11.41
Belief of intergenerational income mobility – High	51.17	29.38	19.46
Perceived degree of poverty in CH – Low	40.79	44.40	14.80
Perceived degree of poverty in CH – High	53.04	30.82	16.14
Believed gini of income distribution – Low	47.67	36.05	16.28
Believed gini of income distribution – High	45.24	40.19	14.56
Believed gini of wealth distribution – Low	47.77	33.79	18.45
Believed gini of wealth distribution – High	45.16	42.44	12.40
Beliefs about future upwards mobility – Low	49.92	32.98	17.10
Beliefs about future upwards mobility – High	40.27	47.30	12.43
Perceived past upwards mobility – Low	48.23	34.75	17.02
Perceived past upwards mobility – High	44.33	42.18	13.49
Distrust in politicians – Low	44.16	40.55	15.29
Distrust in politicians – High	49.44	34.97	15.59

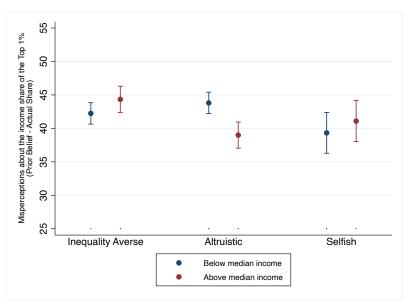
Note: For each preference and beliefs measure, we split respondents into individuals with low responses and those with high responses. For example, "Risk aversion – Low" comprises individuals with a level of risk aversion below the median, and "Risk aversion – High" comprises individuals with a level of risk aversion above the median.

D Additional Tables and Figures

D.1 Subjects' income and (mis)perceptions of income inequality

Several results hinge on conditioning on whether the respondent's income is below or above the median. It is therefore important to assess whether income predicts misperceptions about the income share of the top 1%. Importantly, it does not. On average, respondents with an income below the median overestimate the share of total income received by the top 1% by 42.4 pp (SD: 25.2 pp), while those with an income above the median overestimate it by 41.6 pp (SD: 26.0 pp), respectively. A Kruskal–Wallis equality-of-populations test cannot reject the null hypothesis of equal populations (p = 0.665). Misperceptions about the income share of the top 1% do also *not* substantially differ when we further disaggregate the data by preference type and income category, as documented in Figure D.1. While some small differences exist, a Kruskal–Wallis equality-of-populations test cannot reject the null hypothesis of equality of populations (p = 0.379).

Figure D.1: Misperceptions about the income share of the top 1% by preference type and income



Note: The figure shows the average misperceptions about the income share of the top 1% of income earners in Switzerland by income category and preference type (with standard errors). The y-axis reports average misperceptions, i.e., the difference between respondents' average prior belief and the actual income share received by the top 1%.

D.2 Beliefs about the income of top 1% by wave

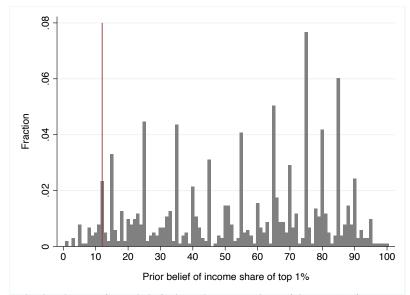
Despite two very different elicitation techniques (see details in Appendix B.1 and B.2), and a gap of several months between the two waves, we find that prior beliefs about the income of the top 1% elicited in wave 2 and the beliefs about the income of the top 1% elicited in wave 1 are strongly and significantly correlated (ρ = 0.34, p < 0.001). This result is also clearly visible in the binned scatterplot below, which depicts wave 2 beliefs on the x-axis and wave 1 beliefs on the y-axis.

Mave 1: Belief about income share of top 1% Correlation (individual level): 34.01 %

Figure D.2: Beliefs about the income of top 1% by wave

D.3 Prior beliefs about income inequality

Figure D.3: Distribution of prior beliefs about the income share of the top 1%

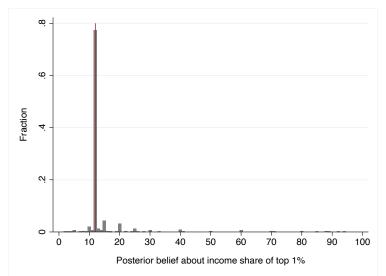


Note: The figure depicts the distribution of prior beliefs about the income share of the top 1% of income-earners in Switzerland. The vertical red line indicating the actual share.

D.4 Posterior beliefs about income inequality

Figure D.4 shows that the vast majority of the treated subjects (77.3%) correctly updated their beliefs, i.e., that they hold correct posterior beliefs.

Figure D.4: Posterior beliefs about the income share of the top 1% among subjects in the treatment group



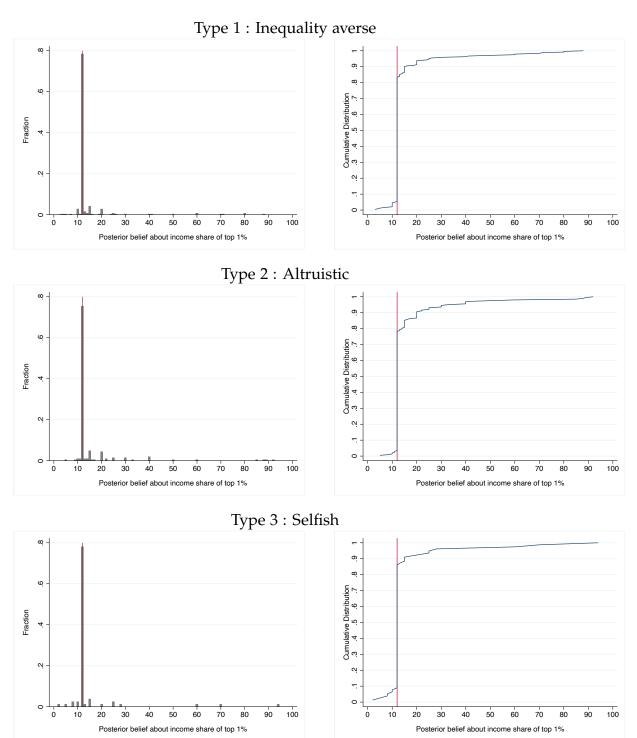
Note: Distribution of posterior beliefs about the income share of the top 1% of income-earners in Switzerland among subjects in the treatment group. The vertical red line indicates the actual share of 12%.

Importantly, individuals from all three preference types correctly update their beliefs, as shown in Section 5.3 of the main paper. Moreover, a Kruskal–Wallis test cannot reject the null hypothesis that individuals with different preference types update beliefs to a similar extent (p = 0.686). In addition, none of the Kolmogorov-Smirnov tests can reject the null hypothesis of equality of distributions when making pairwise comparisons of distributions in posterior beliefs.³⁸

Moreover, we also find conclusive evidence that respondents across preference types hold similar posterior beliefs about the income share of the top 1% (see Figure D.5). A Kruskal–Wallis test fails to reject the null hypothesis that individuals with different preference types hold similar posterior beliefs at conventional significant levels (p = 0.088). In addition, none of the Kolmogorov-Smirnov tests performed between preference types can reject the null hypothesis of equality of distributions of

 $^{^{38}}$ Pairwise comparisons in belief updating (Kolmogorov-Smirnov tests): inequality averse vs. selfish (p = 0.706), altruistic vs. selfish (p = 0.238), inequality averse vs. altruistic (p = 0.392).

Figure D.5: Posterior beliefs about the income share of the top 1%



Note: Distribution of posterior beliefs about the income share of the top 1% of income-earners in Switzerland among subjects in the treatment group by preference type. The vertical red line indicates the actual share of 12%.

³⁹Pairwise comparisons of distribution of posterior beliefs (Kolmogorov-Smirnov tests): inequality averse vs. selfish (p = 1.000), altruistic vs. selfish (p = 0.876), inequality averse vs. altruistic (p = 0.850).

D.5 Donations

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Figure D.6: Donations in favor of the 99% initiative

Note: Distribution of donation amount towards an organization in favor of the 99% initiative, with donations towards an organization that opposes the 99% initiative coded as negative values, i.e., the values can range from CHF -20 to CHF +20.

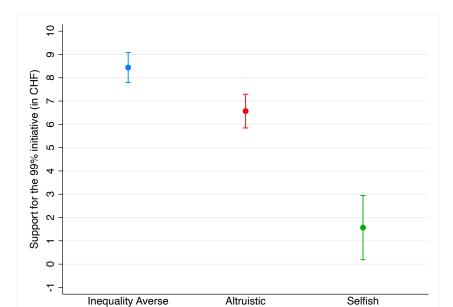


Figure D.7: Average donations in favor of the 99% initiative of control group subjects by preference type

Note: This figure depicts the average donation amount towards an organization in favor of the 99% initiative of control group subjects by preference type (with standard errors). Donations towards an organization that opposes the 99% initiative are coded as negative values, i.e., the values can range from CHF -20 to CHF +20.

D.6 Full regression table

Table D.1: Determinants of donations in favor of the 99% initiative - full table

		Full s	sample		Below me	edian income	Above me	dian incom
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treatment	-1.106	-0.999	1.983	2.042	0.436	1.727	2.643	2.553
A	(0.684)	(0.668)	(1.881) 6.871***	(1.825) 5.341***	(2.694) 4.721**	(2.815) 4.501*	(2.860) 8.232***	(2.718)
А			(1.519)	(1.514)	(2.123)	(2.454)	(2.288)	(2.130)
Altruistic			5.001***	4.350***	3.777*	3.730	5.133**	5.434**
Treat x IA			(1.554) -4.298**	(1.536) -3.909*	(2.156) -1.001	(2.523) -2.315	(2.337) -7.252**	(2.194) -6.542**
neat X IA			(2.145)	(2.091)	(2.981)	(3.077)	(3.381)	(3.247)
Treat x Altruistic			-2.951	-3.258	-0.716	-2.289	-4.252	-4.195
Belief of income share of top 1%		-0.003	(2.129)	(2.066) -0.005	(2.932)	(3.069)	(3.356)	(3.266)
belief of ficome share of top 1/6		(0.014)		(0.014)		(0.018)		(0.023)
Belief of own control over success (z)		-1.280***		-1.271***		-0.770*		-1.764***
Belief of intergenerational income mobility (z)		(0.332) -0.727**		(0.330) -0.622*		(0.439) -0.894*		(0.575) -0.606
benef of intergenerational income mobility (2)		(0.353)		(0.354)		(0.469)		(0.597)
Perceived degree of poverty in CH (z)		0.670*		0.657*		0.628		0.604
Believed gini of income distribution		(0.349)		(0.351) 4.137**		(0.454)		(0.645) 4.242
beneved giri of income distribution		(1.676)		(1.663)		(2.228)		(2.631)
Believed gini of wealth distribution		1.592		1.404		2.326		-1.743
Beliefs about future upwards mobility (z)		(1.922) -0.412		(1.916) -0.327		(2.443)		(2.961) -1.365
beners about future upwards mobility (2)		(0.394)		(0.399)		(0.483)		(0.854)
Perceived past upwards mobility (z)		0.550		0.534		0.008		2.307***
Distance in multiple (a)		(0.398)		(0.396)		(0.468)		(0.783)
Distrust in politicians (z)		(0.372)		(0.364)		(0.473)		(0.622)
Male		-0.160		0.057		-0.541		0.592
A		(0.796)		(0.797)		(1.029)		(1.534)
Age		(0.184)		0.147 (0.184)		0.025 (0.233)		0.576 (0.374)
Age squared		-0.001		-0.001		0.000		-0.005
Evanah angalaina		(0.002)		(0.002)		(0.003)		(0.004) 1.470
French-speaking		(0.796)		(0.795)		(0.988)		(1.473)
Married		0.288		0.281		0.953		-1.033
Education, Vanting I torining		(0.750)		(0.746)		(1.033)		(1.230)
Education: Vocational training		-0.949 (1.975)		-1.249 (2.128)		0.519 (2.600)		-4.720 (4.348)
Education: High school		-0.592		-0.970		0.804		-5.077
Education, Hairmain		(2.114)		(2.263)		(2.717)		(4.804)
Education: University		-1.043 (2.018)		-1.359 (2.172)		0.608 (2.688)		-6.830 (4.313)
Education: Other		-1.187		-1.532		1.283		-7.722*
Occupation: Part-time worker		(2.179) 1.188		(2.321)		(2.858) -0.366		(4.552)
Occupation. Fart-time worker		(0.886)		(0.883)		(1.249)		(1.555)
Occupation: Student		0.559		0.312		-1.883		-8.590**
Occuration Province		(1.375) 2.397		(1.392)		(1.577) 1.155		(3.834)
Occupation: Pensioner		(1.725)		(1.758)		(2.309)		(2.999)
Occupation: Unemployed		2.218		1.933		0.480		-1.363
One of the or		(1.793)		(1.798)		(2.029)		(7.653)
Occupation: Other		-1.000 (1.593)		-0.738 (1.558)		-3.231* (1.873)		-0.115 (3.379)
History of being unemployed in the past		0.016		-0.058		-1.062		1.253
2.1		(0.730)		(0.728)		(0.922)		(1.323)
Risk aversion (z)		-0.364 (0.364)		-0.193 (0.364)		0.158 (0.463)		-0.201 (0.645)
Positive reciprocity (return favor)		1.058***		0.987***		0.831		0.965
		(0.368)		(0.366)		(0.522)		(0.597)
Positive reciprocity (reciprocate help)		-0.235 (0.349)		-0.191 (0.348)		0.040 (0.464)		-0.581 (0.565)
Negative reciprocity (revenge unfair treatment)		-0.175		-0.176		0.365		-0.596
		(0.526)		(0.530)		(0.668)		(0.876)
Negative reciprocity (retaliate intentional malice)		-0.242 (0.533)		-0.169 (0.539)		-0.089 (0.695)		-0.262 (0.896)
impatience (z)		-0.223		-0.260		0.300		-0.698
		(0.349)		(0.344)		(0.454)		(0.614)
Trust in people (z)		0.922** (0.367)		0.855** (0.359)		0.487 (0.490)		1.493** (0.617)
Wealth invested in financial assets		-1.129		-1.240*		-0.432		-1.846
		(0.741)		(0.734)		(0.897)		(1.297)
Constant	6.644*** (0.471)	-0.708 (4.592)	1.568 (1.376)	-4.795 (4.875)	3.314* (1.964)	-1.754 (6.243)	0.721 (1.996)	-11.661 (9.310)
Wealth bracket dummies	(0.471) No	(4.592) Yes	(1.576) No	(4.875) Yes	(1.964) No	(6.243) Yes	(1.996) No	(9.510) Yes
p-value(Ho: Treat x IA ≥ 0)	- 10		0.023	0.031	0.369	0.226	0.016	0.022
R ²	0.003	0.132	0.029	0.146	0.020	0.136	0.038	0.232

Notes. OLS regression. The dependent variable is the donation amount towards an organization in favor of the 99% initiative for the full sample (columns 1-4), for subjects with an income below the median (columns 5-6), and for subjects with an income above the median (columns 7-8). Subjects who did not disclose their income are not included in columns 5-8. Wealth bracket dummies include dummy variables for each wealth level. Robust standard errors are reported in parentheses. p-value(Ho: Treat × IA ≥ 0) indicates the p-value associated with a one-sided test evaluating the null hypothesis that the information intervention has a non-negative effect on the donations of the inequality averse subjects. Levels of significance: *p < .1, **p < .05, ***p < .01.

D.7 Robustness analysis: attention checks

In this Appendix, we show that our main regression results are robust to excluding participants who did not successfully pass our attention checks. The second wave of the experiment (where the information intervention took place) included two attention checks. Table D.2 shows the regression results for participants who pass at least one attention check, and replicates the main results discussed in the paper. In particular, the interaction between the treatment and the inequality aversion dummy is significant for above-median income earners (p = 0.014 for $H_0: \beta_4 \ge 0$). Table D.3 focuses only on subjects who successfully pass both attention checks and delivers a qualitatively similar message, although we are unfortunately underpowered to detect a significant interaction between the information intervention and the inequality aversion dummy for the respondents with an above-median income (p = 0.068 for $H_0: \beta_4 \ge 0$).

Table D.2: Pass one of the two attention checks

		Full s	sample		Below me	edian income	Above me	dian income
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treatment	-1.599** (0.705)	-1.391** (0.691)	1.553 (1.962)	2.039 (1.900)	-0.941 (2.875)	0.859 (3.027)	3.510 (2.898)	3.389 (2.758)
IA			7.280*** (1.602)	6.039*** (1.592)	5.105** (2.235)	5.486** (2.559)	8.647*** (2.435)	7.197*** (2.283)
Altruistic			5.421*** (1.633)	5.275*** (1.604)	4.005* (2.268)	4.372* (2.594)	6.093** (2.452)	6.649*** (2.321)
Treat x IA			-4.366* (2.240)	-4.487** (2.181)	-0.211 (3.165)	-2.023 (3.301)	-7.934** (3.477)	-7.331** (3.325)
Treat x Altruistic			-2.844 (2.205)	-3.460 (2.136)	0.405 (3.101)	-1.097 (3.269)	-5.579 (3.416)	-5.586* (3.305)
Constant	7.210*** (0.478)	-2.366 (4.479)	1.725 (1.465)	-6.832 (4.777)	3.484* (2.090)	-4.386 (6.131)	0.583 (2.117)	-12.865 (9.180)
Beliefs	No	Yes	No	Yes	No	Yes	No	Yes
Socio-demographics	No	Yes	No	Yes	No	Yes	No	Yes
Education	No	Yes	No	Yes	No	Yes	No	Yes
Occupation	No	Yes	No	Yes	No	Yes	No	Yes
Preference measures	No	Yes	No	Yes	No	Yes	No	Yes
Wealth bracket dummies & financial assets	No	Yes	No	Yes	No	Yes	No	Yes
p-value(Ho: Treat x IA \geq 0) R^2 Observations	0.005 931	0.132 930	0.026 0.035 931	0.020 0.150 930	0.473 0.030 506	0.270 0.142 505	0.012 0.041 379	0.014 0.254 379

Note: OLS regression. The dependent variable is the donation amount towards an organization in favor of the 99% initiative for the full sample (columns 1-4), for subjects with an income below the median (columns 5-6), and for subjects with an income above the median (columns 7-8). Subjects who did not disclose their income are not included in columns 5-8. Beliefs include subjects' prior beliefs about the income share of the top 1%, their prior beliefs about income and wealth distributions in Switzerland, as well as their beliefs about the determinants of success, financial mobility, poverty in Switzerland, and distrust in politicians. Socio-demographics include age, age squared, a dummy variable indicating whether the respondent is male, a dummy variable indicating whether the respondent's native language is French, and a dummy indicating whether the respondent is married. Education includes dummies indicating a respondent's highest educational achievement (compulsory school, vocational training, high school, university, or other). Occupation includes dummies indicating a respondent's occupation status (currently has a full-time job, a part-time job, is a student, is a pensioner, is unemployed, or other), a dummy variable indicating whether the respondent has experienced unemployment in the past. Preference measures from the global preference survey (Falk et al., 2022) include measures of risk aversion, (positive and negative) reciprocity, impatience, and general trust in strangers. Wealth bracket dummies and financial assets include dummy variables for each wealth level, and a dummy variable indicating whether the respondent has invested part of her wealth in financial assets. For a detailed explanation of the covariates, see Appendix B.1. Robust standard errors are reported in parentheses. p-value(Ho: Treat \times IA \ge 0) indicates the p-value associated with a one-sided test evaluating the null hypothesis that the information intervention has a non-negative effect on the donations of the inequality averse subjects. Levels of significance: *p < .1, **p < .05, ***p < .01.

Table D.3: Pass both attention checks

		Full	sample		Below m	edian income	Above me	dian income
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treatment	-1.781** (0.749)	-1.717** (0.735)	1.435 (2.201)	1.897 (2.116)	-0.731 (3.336)	1.736 (3.485)	2.681 (3.103)	2.326 (2.849)
IA			7.128*** (1.820)	6.040*** (1.779)	4.621* (2.655)	5.289* (2.994)	8.185*** (2.702)	6.377** (2.513)
Altruistic			5.927*** (1.837)	5.627*** (1.774)	3.952 (2.677)	3.981 (2.986)	6.967*** (2.655)	7.264*** (2.576)
Treat x IA			-4.305* (2.485)	-4.645* (2.380)	-1.109 (3.622)	-3.722 (3.731)	-5.900 (3.741)	-5.258 (3.525)
Treat x Altruistic			-3.119 (2.437)	-3.702 (2.356)	-0.401 (3.544)	-2.397 (3.724)	-4.898 (3.644)	-4.212 (3.500)
Constant	7.302*** (0.514)	-5.215 (4.827)	1.667 (1.678)	-10.145* (5.183)	4.160* (2.524)	-7.497 (6.779)	0.033 (2.326)	-14.330 (9.413)
Beliefs	No	Yes	No	Yes	No	Yes	No	Yes
Socio-demographics	No	Yes	No	Yes	No	Yes	No	Yes
Education	No	Yes	No	Yes	No	Yes	No	Yes
Occupation	No	Yes	No	Yes	No	Yes	No	Yes
Preference measures	No	Yes	No	Yes	No	Yes	No	Yes
Wealth bracket dummies & financial assets	No	Yes	No	Yes	No	Yes	No	Yes
p-value(Ho: Treat x IA \geq 0) R^2 Observations	0.007 817	0.137 816	0.042 0.035 817	0.026 0.155 816	0.380 0.024 449	0.159 0.147 448	0.058 0.038 329	0.068 0.262 329

Note: OLS regression. The dependent variable is the donation amount towards an organization in favor of the 99% initiative for the full sample (columns 1-4), for subjects with an income below the median (columns 5-6), and for subjects with an income above the median (columns 7-8). Subjects who did not disclose their income are not included in columns 5-8. Beliefs include subjects' prior beliefs about the income share of the top 1%, their prior beliefs about income and wealth distributions in Switzerland, as well as their beliefs about the determinants of success, financial mobility, poverty in Switzerland, and distrust in politicians. Socio-demographics include age, age squared, a dummy variable indicating whether the respondent is male, a dummy variable indicating whether the respondent's native language is French, and a dummy indicating whether the respondent is married. Education includes dummies indicating a respondent's highest educational achievement (compulsory school, vocational training, high school, university, or other). Occupation includes dummies indicating a respondent's occupation status (currently has a full-time job, a part-time job, is a student, is a pensioner, is unemployed, or other), a dummy variable indicating whether the respondent has experienced unemployment in the past. Preference measures from the global preference survey (Falk et al., 2022) include measures of risk aversion, (positive and negative) reciprocity, impatience, and general trust in strangers. Wealth bracket dummies and financial assets include dummy variables for each wealth level, and a dummy variable indicating whether the respondent has invested part of her wealth in financial assets. For a detailed explanation of the covariates, see Appendix B.1. Robust standard errors are reported in parentheses. p-value(Ho: Treat \times IA \ge 0) indicates the p-value associated with a one-sided test evaluating the null hypothesis that the information intervention has a non-negative effect on the donations of the inequality averse subjects. Levels of significance: *p < .1, **p < .05, ***p < .01.

D.8 Robustness analysis: Focusing on overestimators or subjects with large misperceptions.

In this Appendix, we show that our main results are broadly robust to excluding subjects who did *not* overestimate the income share of the top 1% (Table D.4). In addition, we conduct an additional robustness check following the approach applied by Cruces et al. (2013) and Karadja et al. (2017) which focuses on subjects with "large" misperceptions, i.e., misperceptions of more than 10 percentage points. Focusing on this subsample yields, again, qualitatively similar results (see Table D.5).

Table D.4: Determinants of donations in favor of the 99% initiative for overestimators (subjects with prior beliefs about the income share of the top 1% greater than 12%)

		Full	sample		Below me	edian income	Above me	dian income
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treatment	-1.028 (0.709)	-0.877 (0.692)	2.047 (1.997)	1.992 (1.929)	0.685 (2.834)	1.983 (2.932)	2.445 (3.031)	2.425 (2.904)
IA			6.810*** (1.633)	5.270*** (1.616)	4.720** (2.243)	4.373* (2.566)	8.118*** (2.502)	6.742*** (2.307)
Altruistic			4.657*** (1.665)	4.021** (1.646)	3.482 (2.265)	3.468 (2.620)	4.703* (2.575)	5.077** (2.461)
Treat x IA			-4.117* (2.273)	-3.621 (2.202)	-1.323 (3.135)	-2.594 (3.203)	-6.433* (3.583)	-5.843* (3.421)
Treat x Altruistic			-2.964 (2.238)	-3.072 (2.161)	-0.689 (3.064)	-2.238 (3.184)	-4.301 (3.534)	-4.013 (3.465)
Constant	6.681*** (0.488)	1.026 (4.686)	1.726 (1.491)	-2.998 (5.016)	3.394 (2.081)	1.260 (6.354)	0.919 (2.233)	-14.050 (9.698)
Beliefs	No	Yes	No	Yes	No	Yes	No	Yes
Socio-demographics	No	Yes	No	Yes	No	Yes	No	Yes
Education	No	Yes	No	Yes	No	Yes	No	Yes
Occupation	No	Yes	No	Yes	No	Yes	No	Yes
Preference measures	No	Yes	No	Yes	No	Yes	No	Yes
Wealth bracket dummies & financial assets	No	Yes	No	Yes	No	Yes	No	Yes
p-value(Ho: Treat x IA \geq 0) R^2 Observations	0.002 968	0.132 967	0.035 0.028 968	0.050 0.145 967	0.337 0.018 532	0.209 0.138 531	0.037 0.038 389	0.044 0.230 389

Note: OLS regression. The dependent variable is the donation amount towards an organization in favor of the 99% initiative for the full sample (columns 1-4), for subjects with an income below the median (columns 5-6), and for subjects with an income above the median (columns 7-8). Subjects who did not disclose their income are not included in columns 5-8. Beliefs include subjects' prior beliefs about the income share of the top 1%, their prior beliefs about income and wealth distributions in Switzerland, as well as their beliefs about the determinants of success, financial mobility, poverty in Switzerland, and distrust in politicians. Socio-demographics include age, age squared, a dummy variable indicating whether the respondent is male, a dummy variable indicating whether the respondent's native language is French, and a dummy indicating whether the respondent is married. Education includes dummies indicating a respondent's highest educational achievement (compulsory school, vocational training, high school, university, or other). Occupation includes dummies indicating a respondent's occupation status (currently has a full-time job, a part-time job, is a student, is a pensioner, is unemployed, or other), a dummy variable indicating whether the respondent has experienced unemployment in the past. Preference measures from the global preference survey (Falk et al., 2022) include measures of risk aversion, (positive and negative) reciprocity, impatience, and general trust in strangers. Wealth bracket dummies and financial assets include dummy variables for each wealth level, and a dummy variable indicating whether the respondent has invested part of her wealth in financial assets. For a detailed explanation of the covariates, see Appendix B.1. Robust standard errors are reported in parentheses. p-value(Ho: Treat \times IA \ge 0) indicates the p-value associated with a one-sided test evaluating the null hypothesis that the information intervention has a non-negative effect on the donations of the inequality averse subjects. Levels of significance: *p < .1, **p < .05, ***p < .01.

Table D.5: Determinants of donations in favor of the 99% initiative for substantial overestimators (subjects with prior beliefs about the income share of the top 1% greater than 21% who overestimated by at least 10 percentage points)

		Full	sample		Below m	edian income	Above me	dian income
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treatment	-1.356* (0.746)	-1.184 (0.722)	2.231 (2.125)	2.046 (2.033)	0.487 (3.037)	2.309 (3.161)	2.688 (3.184)	1.999 (2.998)
IA			7.073*** (1.721)	5.454*** (1.681)	4.302* (2.408)	4.483 (2.730)	8.968*** (2.590)	6.661*** (2.387)
Altruistic			5.042*** (1.757)	4.509*** (1.726)	3.187 (2.433)	3.618 (2.816)	5.559** (2.675)	5.531** (2.552)
Treat x IA			-4.669* (2.414)	-3.929* (2.319)	-1.195 (3.351)	-2.900 (3.460)	-7.554** (3.750)	-6.182* (3.516)
Treat x Altruistic			-3.553 (2.373)	-3.550 (2.287)	-0.457 (3.279)	-2.363 (3.447)	-5.348 (3.684)	-4.904 (3.594)
Constant	6.793*** (0.508)	3.752 (4.888)	1.530 (1.577)	-0.768 (5.194)	3.690 (2.242)	2.459 (6.656)	0.412 (2.325)	-8.015 (9.815)
Beliefs	No	Yes	No	Yes	No	Yes	No	Yes
Socio-demographics	No	Yes	No	Yes	No	Yes	No	Yes
Education	No	Yes	No	Yes	No	Yes	No	Yes
Occupation	No	Yes	No	Yes	No	Yes	No	Yes
Preference measures	No	Yes	No	Yes	No	Yes	No	Yes
Wealth bracket dummies & financial assets	No	Yes	No	Yes	No	Yes	No	Yes
p-value(Ho: Treat x IA \geq 0) R^2 Observations	0.004 886	0.143 885	0.027 0.030 886	0.045 0.157 885	0.361 0.014 484	0.201 0.139 483	0.022 0.050 360	0.040 0.257 360

Note: OLS regression. The dependent variable is the donation amount towards an organization in favor of the 99% initiative for the full sample (columns 1-4), for subjects with an income below the median (columns 5-6), and for subjects with an income above the median (columns 7-8). Subjects who did not disclose their income are not included in columns 5-8. Beliefs include subjects' prior beliefs about the income share of the top 1%, their prior beliefs about income and wealth distributions in Switzerland, as well as their beliefs about the determinants of success, financial mobility, poverty in Switzerland, and distrust in politicians. Socio-demographics include age, age squared, a dummy variable indicating whether the respondent is male, a dummy variable indicating whether the respondent's native language is French, and a dummy indicating whether the respondent is married. Education includes dummies indicating a respondent's highest educational achievement (compulsory school, vocational training, high school, university, or other). Occupation includes dummies indicating a respondent's occupation status (currently has a full-time job, a part-time job, is a student, is a pensioner, is unemployed, or other), a dummy variable indicating whether the respondent has experienced unemployment in the past. Preference measures from the global preference survey (Falk et al., 2022) include measures of risk aversion, (positive and negative) reciprocity, impatience, and general trust in strangers. Wealth bracket dummies and financial assets include dummy variables for each wealth level, and a dummy variable indicating whether the respondent has invested part of her wealth in financial assets. For a detailed explanation of the covariates, see Appendix B.1. Robust standard errors are reported in parentheses. p-value(Ho: Treat \times IA \ge 0) indicates the p-value associated with a one-sided test evaluating the null hypothesis that the information intervention has a non-negative effect on the donations of the inequality averse subjects. Levels of significance: *p < .1, **p < .05, ***p < .01.

D.9 Robustness analysis: survey measures for support for redistribution

In this Appendix, we show that our main results are broadly robust to using the following survey measures as dependent variables:

- An index measure of support for redistribution (based on the following two questions)
- A survey question aimed at measuring support for increasing taxes for the rich ("The government should reduce income inequality by increasing the taxes for the rich.")
- A survey question aimed at measuring support for improving the situation of the less well off ("The government should reduce income inequality by improving the situation of the less well off (e.g. lower their taxes or increasing financial support for them).")

The survey items where both measured using 7-point Likert scale where 1 means "strongly disagree" and 7 means "strongly agree".

Table D.6: Determinants of average preferences for stronger redistribution

		Full s	ample		Below med	dian income	Above med	dian income
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treatment	-0.188** (0.085)	-0.166** (0.081)	0.298 (0.264)	0.285 (0.246)	0.313 (0.339)	0.465 (0.347)	-0.061 (0.401)	-0.125 (0.369)
IA			0.806*** (0.198)	0.586*** (0.190)	0.433 (0.278)	0.340 (0.297)	1.106*** (0.278)	0.838*** (0.287)
Altruistic			0.529** (0.210)	0.544*** (0.200)	0.312 (0.292)	0.333 (0.317)	0.683** (0.297)	0.676** (0.291)
Treat x IA			-0.672** (0.286)	-0.575** (0.267)	-0.597 (0.366)	-0.728* (0.372)	-0.427 (0.443)	-0.266 (0.409)
Treat x Altruistic			-0.462 (0.300)	-0.485* (0.279)	-0.529 (0.383)	-0.678* (0.376)	-0.122 (0.463)	0.031 (0.436)
Constant	4.987*** (0.060)	4.407*** (0.581)	4.414*** (0.184)	3.929*** (0.597)	4.900*** (0.263)	3.846*** (0.736)	4.000*** (0.246)	3.957*** (1.173)
Beliefs	No	Yes	No	Yes	No	Yes	No	Yes
Socio-demographics	No	Yes	No	Yes	No	Yes	No	Yes
Education	No	Yes	No	Yes	No	Yes	No	Yes
Occupation	No	Yes	No	Yes	No	Yes	No	Yes
Preference measures	No	Yes	No	Yes	No	Yes	No	Yes
Wealth bracket dummies & financial assets	No	Yes	No	Yes	No	Yes	No	Yes
p-value(Ho: Treat x IA ≥ 0) R^2 Observations	0.005 1031	0.186 1030	0.009 0.026 1031	0.016 0.196 1030	0.052 0.013 558	0.025 0.157 557	0.168 0.058 422	0.257 0.287 422

Note: OLS regression. The dependent variable is the average preference for stronger redistribution (average of the two measures on preferences for increasing the taxes for the rich and preference for improving the situation of the less well) off using a 7-point Likert scale from 1 (strongly disagree) to 7 (strongly agree) for the full sample (columns 1-4), for subjects with an income below the median (columns 5-6), and for subjects with an income above the median (columns 7-8). Subjects who did not disclose their income are not included in columns 5-8. Beliefs include subjects' prior beliefs about the income share of the top 1%, their prior beliefs about income and wealth distributions in Switzerland, as well as their beliefs about the determinants of success, financial mobility, poverty in Switzerland, and distrust in politicians. Socio-demographics include age, age squared, a dummy variable indicating whether the respondent is male, a dummy variable indicating whether the respondent's native language is French, and a dummy indicating whether the respondent is married. Education includes dummies indicating a respondent's highest educational achievement (compulsory school, vocational training, high school, university, or other). Occupation includes dummies indicating a respondent's occupation status (currently has a full-time job, a part-time job, is a student, is a pensioner, is unemployed, or other), a dummy variable indicating whether the respondent has experienced unemployment in the past. Preference measures from the global preference survey (Falk et al., 2022) include measures of risk aversion, (positive and negative) reciprocity, impatience, and general trust in strangers. Wealth bracket dummies and financial assets include dummy variables for each wealth level, and a dummy variable indicating whether the respondent has invested part of her wealth in financial assets. For a detailed explanation of the covariates, see Appendix B.1. Robust standard errors are reported in parentheses. p-value(Ho: Treat \times IA \ge 0) indicates the p-value associated with a one-sided test evaluating the null hypothesis that the information intervention has a non-negative effect for the inequality averse subjects. Levels of significance: p < .1, p < .05, p < .01.

Table D.7: Determinants of preferences for increasing taxes for the rich

		Full s	ample		Below med	dian income	Above med	dian income
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treatment	-0.188* (0.101)	-0.150 (0.096)	0.360 (0.301)	0.346 (0.281)	0.282 (0.376)	0.462 (0.394)	0.049 (0.459)	-0.051 (0.414)
IA			0.815*** (0.236)	0.567** (0.229)	0.334 (0.316)	0.230 (0.341)	1.234*** (0.343)	0.923*** (0.343)
Altruistic			0.530** (0.250)	0.528** (0.243)	0.239 (0.331)	0.267 (0.366)	0.737** (0.365)	0.737** (0.354)
Treat x IA			-0.682** (0.328)	-0.581* (0.306)	-0.498 (0.411)	-0.640 (0.425)	-0.498 (0.510)	-0.292 (0.466)
Treat x Altruistic			-0.610* (0.345)	-0.594* (0.324)	-0.671 (0.433)	-0.794* (0.438)	-0.146 (0.536)	0.059 (0.495)
Constant	4.949*** (0.072)	4.771*** (0.699)	4.370*** (0.219)	4.289*** (0.724)	4.943*** (0.296)	4.153*** (0.913)	3.860*** (0.305)	4.078*** (1.318)
Beliefs	No	Yes	No	Yes	No	Yes	No	Yes
Socio-demographics	No	Yes	No	Yes	No	Yes	No	Yes
Education	No	Yes	No	Yes	No	Yes	No	Yes
Occupation	No	Yes	No	Yes	No	Yes	No	Yes
Preference measures	No	Yes	No	Yes	No	Yes	No	Yes
Wealth bracket dummies & financial assets	No	Yes	No	Yes	No	Yes	No	Yes
p-value(Ho: Treat x IA \geq 0) R^2 Observations	0.003 1031	0.175 1030	0.019 0.020 1031	0.029 0.182 1030	0.113 0.014 558	0.066 0.129 557	0.165 0.047 422	0.266 0.304 422

Note: OLS regression. The dependent variable is the preference for increasing taxes for the rich using a 7-point Likert scale from 1 (strongly disagree) to 7 (strongly agree) for the full sample (columns 1-4), for subjects with an income below the median (columns 5-6), and for subjects with an income above the median (columns 7-8). Subjects who did not disclose their income are not included in columns 5-8. Beliefs include subjects' prior beliefs about the income share of the top 1%, their prior beliefs about income and wealth distributions in Switzerland, as well as their beliefs about the determinants of success, financial mobility, poverty in Switzerland, and distrust in politicians. Socio-demographics include age, age squared, a dummy variable indicating whether the respondent is male, a dummy variable indicating whether the respondent's native language is French, and a dummy indicating whether the respondent is married. Education includes dummies indicating a respondent's highest educational achievement (compulsory school, vocational training, high school, university, or other). Occupation includes dummies indicating a respondent's occupation status (currently has a full-time job, a part-time job, is a student, is a pensioner, is unemployed, or other), a dummy variable indicating whether the respondent has experienced unemployment in the past. Preference measures from the global preference survey (Falk et al., 2022) include measures of risk aversion, (positive and negative) reciprocity, impatience, and general trust in strangers. Wealth bracket dummies and financial assets include dummy variables for each wealth level, and a dummy variable indicating whether the respondent has invested part of her wealth in financial assets. For a detailed explanation of the covariates, see Appendix B.1. Robust standard errors are reported in parentheses. p-value(Ho: Treat \times IA ≥ 0) indicates the p-value associated with a one-sided test evaluating the null hypothesis that the information intervention has a non-negative effect for the inequality averse subjects. Levels of significance: p < .1, p < .05, p < .01.

Table D.8: Determinants of preferences for improving the situation of the less well off

	Full sample				Below median income		Above median income	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Treatment	-0.188** (0.091)	-0.182** (0.089)	0.236 (0.269)	0.224 (0.262)	0.343 (0.355)	0.468 (0.355)	-0.170 (0.412)	-0.200 (0.415)
IA			0.796*** (0.203)	0.605*** (0.203)	0.533* (0.285)	0.450 (0.298)	0.978*** (0.297)	0.754** (0.321)
Altruistic			0.527** (0.216)	0.560*** (0.210)	0.385 (0.302)	0.400 (0.312)	0.629** (0.312)	0.614* (0.316)
Treat x IA			-0.662** (0.295)	-0.570** (0.288)	-0.695* (0.386)	-0.817** (0.383)	-0.356 (0.464)	-0.241 (0.469)
Treat x Altruistic			-0.313 (0.309)	-0.376 (0.297)	-0.387 (0.402)	-0.562 (0.389)	-0.098 (0.480)	0.003 (0.486)
Constant	5.026*** (0.065)	4.044*** (0.655)	4.457*** (0.186)	3.569*** (0.662)	4.857*** (0.267)	3.538*** (0.827)	4.140*** (0.258)	3.835*** (1.314)
Beliefs	No	Yes	No	Yes	No	Yes	No	Yes
Socio-demographics	No	Yes	No	Yes	No	Yes	No	Yes
Education	No	Yes	No	Yes	No	Yes	No	Yes
Occupation	No	Yes	No	Yes	No	Yes	No	Yes
Preference measures	No	Yes	No	Yes	No	Yes	No	Yes
Wealth bracket dummies & financial assets	No	Yes	No	Yes	No	Yes	No	Yes
p-value(Ho: Treat x IA \geq 0) R^2 Observations	0.004 1031	0.139 1030	0.013 0.023 1031	0.024 0.150 1030	0.036 0.013 558	0.017 0.167 557	0.221 0.046 422	0.304 0.197 422

Note: OLS regression. The dependent variable is the preference for improving the situation of the less well off using a 7-point Likert scale from 1 (strongly disagree) to 7 (strongly agree) for the full sample (columns 1-4), for subjects with an income below the median (columns 5-6), and for subjects with an income above the median (columns 7-8). Subjects who did not disclose their income are not included in columns 5-8. Beliefs include subjects' prior beliefs about the income share of the top 1%, their prior beliefs about income and wealth distributions in Switzerland, as well as their beliefs about the determinants of success, financial mobility, poverty in Switzerland, and distrust in politicians. Socio-demographics include age, age squared, a dummy variable indicating whether the respondent is male, a dummy variable indicating whether the respondent's native language is French, and a dummy indicating whether the respondent is married. Education includes dummies indicating a respondent's highest educational achievement (compulsory school, vocational training, high school, university, or other). Occupation includes dummies indicating a respondent's occupation status (currently has a full-time job, a part-time job, is a student, is a pensioner, is unemployed, or other), a dummy variable indicating whether the respondent has experienced unemployment in the past. Preference measures from the global preference survey (Falk et al., 2022) include measures of risk aversion, (positive and negative) reciprocity, impatience, and general trust in strangers. Wealth bracket dummies and financial assets include dummy variables for each wealth level, and a dummy variable indicating whether the respondent has invested part of her wealth in financial assets. For a detailed explanation of the covariates, see Appendix B.1. Robust standard errors are reported in parentheses. p-value(Ho: Treat \times IA \ge 0) indicates the p-value associated with a one-sided test evaluating the null hypothesis that the information intervention has a non-negative effect for the inequality averse subjects. Levels of significance: p < .1, p < .05, p < .01.

E Theoretical considerations

In this Appendix, we reproduce the model we developed and discussed in Fehr (r) al. (forthcoming) which integrates social preferences into a stylized model of the demand for redistribution.

To keep things simple, we assume – like in the classic paper by Meltzer and Richard (1981) – a proportional tax τ ($0 \le \tau \le 1$) on individuals' gross income y_i that is redistributed lump-sum via a transfer T to everybody. Tax collection and redistribution involves a quadratic redistribution cost of $\frac{1}{2}\tau^2$ per unit of gross income. Consumption c_i of individual i is given by

$$c_i = (1 - \tau)y_i + T \tag{2}$$

and the government's budget is balanced if the lump-sum transfer is given by

$$T = \left(\tau - \frac{1}{2}\tau^2\right)\bar{y}\tag{3}$$

where $\bar{y} = \frac{1}{n} \sum_{i=1}^{n} y_i$ denotes the average gross income in the population. To examine the role of social preferences we assume that individuals' preferences are given by a utility function inspired by Fehr and Schmidt (1999):

$$V_i = c_i - \alpha_i \frac{1}{n-1} \sum_{j \neq i} \max(c_j - c_i, 0) - \beta_i \frac{1}{n-1} \sum_{j \neq i} \max(c_i - c_j, 0).$$
 (4)

 V_i denotes individual i's utility, α_i is a measure of aversion against disadvantageous inequality $(c_j - c_i > 0)$ and β_i measures the aversion against advantageous inequality or a willingness to help those who are worse off $(c_i - c_j > 0)$. For simplicity, we assume that individuals compare themselves to all other members of the population, i.e., n comprises the population of the polity.

The three distinct types of individuals identified in our population can be nicely captured with the help of equation (4). The selfish type is characterized by $\alpha_i = \beta_i = 0$. The inequality averse type is captured by $\alpha_i > 0$ and $\beta_i > 0$, and the altruistic type is characterized by $\alpha_i = 0$ and $\beta_i > 0$.

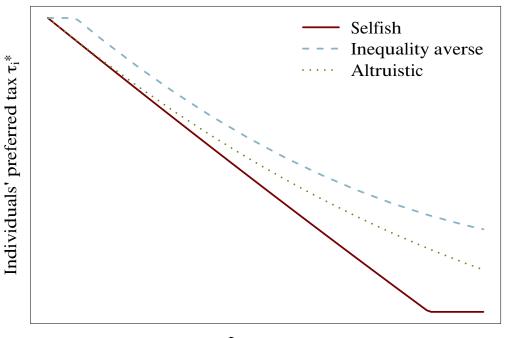
On the basis of the above assumptions – linear tax, lump-sum transfers to every-body, quadratic redistribution costs, no other taxes and public expenditures, balanced budget, etc. – it becomes immediately clear that the model does not apply directly to the 99% initiative. Note also that the model restricts the motivational forces for the demand for redistribution just to two factors – self-interest and social preferences. Nevertheless, we believe that the model can provide valuable intuitions about the potential role of social preferences in the demand for redistribution.

The first-order condition for an individual's demand for redistribution in terms of the preferred redistributive tax τ_i^* is:

$$\tau_i^* = 1 - \frac{1}{\bar{y}} \left(y_i - \alpha_i \frac{1}{n-1} \sum_{j \neq i} \max(y_j - y_i, 0) - \beta_i \frac{1}{n-1} \sum_{j \neq i} \max(y_i - y_j, 0) \right)$$
 (5)

In the Figure E.1 below, we illustrate the role of social preferences in the demand for redistribution by depicting the demand for each preference type separately.

Figure E.1: Illustrating the theoretical role of social preferences



Income y_i

Note: The figure shows the preferred redistributive tax τ_i^* as a function of gross income for (i) selfish individuals ($\alpha_i = \beta_i = 0$), (ii) inequality averse individuals ($\alpha_i > 0$, $\beta_i > 0$), and (iii) altruistic individuals ($\alpha_i = 0$, $\beta_i > 0$). The figure is based on the current distribution of income in Switzerland.

The model implies that selfish individuals' ($\alpha_i = \beta_i = 0$) demand for redistribution falls with their gross income y_i . At very low incomes ($y_i \approx 0$) selfish individuals demand a tax rate of almost 100% while at incomes above \bar{y} their demand is zero. Except at very low incomes ($y_i \approx 0$), individuals with social preferences have a higher demand for redistribution because of $\alpha_i > 0$ and/or $\beta_i > 0$.

For individuals with low incomes it is mainly the distaste against disadvantageous inequality ($\alpha_i > 0$) that increases their demand for redistribution because for most income comparisons they face disadvantageous inequality. In contrast, for individuals with high incomes it is mainly their willingness to mitigate advantageous inequality (i.e., their β_i -parameter) that increases their demand for redistribution because in most income comparisons they face advantageous inequality. Taken together, social preferences thus mitigate the decline in τ_i^* that is predicted for selfish individuals.

Note also that because selfish individuals with low incomes already demand very high levels of redistribution the model suggests that the potential impact of social preferences at low incomes levels is limited while at high income levels the scope for a role of social preferences is higher. Finally, because $\alpha_i > 0$ for inequality averse individuals while $\alpha_i = 0$ for the altruistic type, inequality averse individuals have, ceteris paribus, a stronger preference for redistribution in this simple model. However, since aversion against disadvantageous inequality ($\alpha_i > 0$) is particularly relevant at lower income levels, where even selfish individuals have a high demand for redistribution, it may be difficult to detect the differential impact of different types of social preferences on the demand for redistribution empirically.