

MORAL UNIVERSALISM: GLOBAL EVIDENCE^{*}

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Abstract

This paper presents novel stylized facts about the global variation in universalism, leveraging nationally representative surveys across 60 countries ($N=64,000$). We find large variation in universalism within and across countries, which almost entirely reflects heterogeneity in people's moral views regarding how to treat different types of relationships. Universalism is strongly predictive of political views, civic engagement, and the radius of trust, and varies with the economic, political and religious organization of societies. We provide tentative evidence that experience with democracy makes people more universalist. Overall, our results suggest that moral universalism shapes and is shaped by politico-economic outcomes across the globe.

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1 Introduction

Much recent research investigates heterogeneity in the scope of people's moral boundaries. Do people think it is morally right to treat everyone equally, or do they think they have some special relationship-specific obligations towards certain people such as family, friends or compatriots? A person's *moral universalism* reflects to what degree they believe that their moral obligations extend equally to everyone. In behavioral terms, this relates to what degree people's decisions reflect that they give the same weight to the interests of strangers as to those of in-group members. Universalism has attracted considerable interest across economics and the social sciences, partly because an active recent theoretical and empirical literature has linked heterogeneity in universalism to variables such as social cooperation, voting, attitudes towards redistribution, immigration or climate change, the internal organization of firms, hiring processes, friendship networks, donations, and the abolitionist movement (e.g., Luttmer, 2001; Tabellini, 2008b,a; Haidt, 2012; Greif and Tabellini, 2017; Enke, 2020; Enke et al., 2022a,b; Henrich, 2020; Andre et al., 2021; Le Rossignol and Lowes, 2022; Fehr et al., 2022; Landier and Thesmar, 2022; Figueroa and Fouka, 2022). Despite this growing body of work, existing efforts to collect controlled data on universalism only involve a handful of (mostly rich, Western) countries or small convenience samples. The scarcity of controlled representative data is problematic both because it prevents large-scale global analyses, and because of the prominent criticism that stylized facts about preferences and values, as well as their linkages with behaviors, political views or demographics, may not generalize beyond convenience participant pools (e.g., Henrich et al., 2010b).

To further our understanding of the role of universalism in society, this paper introduces the *Global Universalism Survey (GUS)*, the first large-scale globally-representative dataset on the extent to which people make universalistic distributive decisions in monetary tradeoffs between in-group members and strangers. By introducing these data, we (i) present a new set of stylized facts that exposit the variation in universalism within and across countries; (ii) highlight the relevance of this heterogeneity by reporting correlations with individual-level political views; (iii) show that universalism sheds light on within- and across-society variation in social capital, including civic engagement and the radius of trust; (iv) document country-level correlations with variables that capture the “deep” historical economic and religious organization of societies; (v) tentatively identify experience with democracy as a partial driver of heterogeneity in universalism across individuals and cultures; and (vi) document that heterogeneity in universalistic behavior across individuals and cultures almost entirely reflects variation in moral views. In doing so, the paper is almost entirely descriptive in nature.

Data. Our survey was implemented through the infrastructure of the 2020 Gallup World Poll. The data cover nationally representative samples in each of 60 countries, with a total sample size of about 64,000 respondents. The countries were selected to be broadly representative of the world population, to move beyond the overrepresentation of Western populations that is endemic to most multinational studies.

The dataset consists of a series of disinterested distributive decisions in which the respondent is tasked with distributing the local currency equivalent of hypothetical \$1,000 between two individuals. We measure both domestic universalism, capturing how people allocate money between different groups in their own country, and foreign universalism, capturing how people split money between compatriots and non-compatriots. For example, in one question, respondents in the U.S. were asked how they would allocate \$1,000 between a friend and a stranger from the U.S.

These distributive decisions are hypothetical in nature but were previously experimentally validated, and have been shown to be predictive of whether people predominantly donate to local or more global causes (Enke et al., 2022b). The survey questions further (i) underwent extensive pre-tests in countries of different cultural heritage, (ii) were translated using professional back-and-forth techniques and (iii) involved comparable monetary amounts that were scaled by national income. We discuss in detail potential data quality issues, and find no indication that these differ between economically developed and developing nations.

Variation. Our data show large variation in distributive behavior in the global sample. Across the different relationships (in-groups) that we study, universalism varies widely. For instance, respondents are substantially less universalistic when the in-group member is a family member rather than a co-religionist, and national identity likewise induces relatively pronounced deviations from universalism.

Despite this variation across relationships, most respondents exhibit meaningfully stable “universalism types” in the sense that their decisions are highly intracorrelated. Around 26% of respondents always act in line with universalism and divide the money equally in all decisions, while 17% of respondents strongly deviate from universalism by sharing at most 20% of the money with the stranger across the different situations.

In almost all countries, younger people and women are more universalist, and the magnitude of these relationships is very similar in high- and low-income countries. For the more endogenous individual characteristics, we often find large cross-cultural variation. For example, based on prior evidence in Western samples, we pre-registered the prediction that urbanicity and a college degree would be positively correlated with universalism. Yet, in our global data, we see that while well-educated city dwellers are more universalist in Western Europe, the U.S. and Australia, they are actually signifi-

cantly less universalist outside of this narrow set of countries. Similarly, the correlation between atheism and universalism is considerably more pronounced in the West than in other parts of the world.

We also find large heterogeneity across countries: money shared with the strangers ranges from around 26% in China, India and Israel to 46% in Ethiopia. Perhaps surprisingly, we find that, if anything, per capita income is slightly negatively correlated with universalism. This result is partly but not entirely driven by many Sub-Saharan populations making relatively universalist decisions. The negative cross-country relationship goes against a folk wisdom in cultural psychology that – based on indirect and small-scale data – views richer nations as particularly universalist (Henrich et al., 2010b; Henrich, 2020).

Political views. To study whether heterogeneity in universalism is consequential for understanding individual behaviors, we first investigate the relationship between universalism and economic and social policy views. Prior work has argued that many canonical left-wing policies have a universalist focus, so that universalism should be predictive of support for these policies (Enke et al., 2022a). For instance, redistribution by the federal government is a very universalist concept compared to the small-scale group-based redistributive mechanisms that have prevailed for the most part of human history (and still do in many places). A fortiori, policies that aim at supporting immigrants, needy people abroad, or preventing global climate change are highly universalist in nature. In contrast, a strong military is in some ways an antidote to universalism because it serves to defend boundaries between ‘us’ and ‘them’. In line with these ideas, we find that universalists more strongly support (i) federal programs to reduce economic inequality; (ii) a higher focus on helping the global rather than the local poor; (iii) focusing on protecting the global rather than the local environment; (iv) higher immigration and (v) a weaker military. While these correlations are almost always quantitatively meaningful and statistically significant in our global sample as a whole, we identify large heterogeneity across cultures. In low- and middle-income countries, universalism explains very little of the variation in political views. Moreover, the correlations between universalism and political views are twice as large in rich Western societies than in rich countries outside the West, such as South Korea, Israel or Japan. Further analyses suggest that these patterns are unlikely to be driven by differential measurement error across countries. Rather, we interpret them as genuine cultural specificity that again highlights the value of moving beyond Western countries in collecting controlled data on universalism.

The social fabric of societies. A broad social science literature argues that people’s degree of universalism is relevant for determining whether a society’s social capital is

predominantly “local” and personal or more “global” and impersonal in nature (e.g., Putnam et al., 1992; Putnam, 2000; Tabellini, 2008b). Here, social capital is understood broadly as including civic-mindedness and the radius of trust, both of which are believed to be relevant for determining the structure of economic and social cooperation in society.

We provide two pieces of evidence to support the idea that universalistic people and societies are more civic-minded vis-a-vis strangers and exhibit a wider radius of trust, but that they also exhibit lower community attachment. First, in our survey data, universalists are both more likely to have recently helped a stranger in need, and to plan to move away (an indication of low community attachment). These correlations suggest that individual-level heterogeneity in universalism matters for the strength and scope of prosocial networks.

Second, we identify a quantitatively large link between country-level universalism in our money allocation tasks and the radius of trust, as measured in the World Values Survey. Societies that are relatively universalistic trust out-group members and strangers almost as much as in-group members. In combination, we view these individual- and country-level results as highlighting the relevance of universalism for the structure of a society’s social capital and for whether economically productive interactions are likely to take place mostly among in-group members or also among strangers.

Potential determinants: Economic incentives and democracy. A prominent hypothesis in the literature is that heterogeneity in universalism reflects that people’s moral views are economically functional. The idea is that morality partly evolved to support and incentivize cooperation in economic production, and that different degrees of universalism emerged because economic systems differ in whether they benefit from a universalist or a relationship-specific morality (e.g. Tabellini, 2008b). This broad idea has been put forward in at least two ways. First, historically tight extended kinship systems – and the associated kin-based economic production networks – are said to have fostered a morality in which relationship-specific obligations play a prominent role (e.g., Greif and Tabellini, 2017; Enke, 2019; Schulz et al., 2019; Henrich, 2020; Schulz, 2022). Second, historical reliance on irrigation practices is hypothesized to have produced an in-group-oriented morality because large-scale irrigation systems require intensive neighborhood-based cooperation (e.g., Talhelm et al., 2014; Buggle, 2020). However, previous investigations of these hypotheses had to rely on relatively indirect data on universalism. We contribute to this discussion by documenting that – in line with the aforementioned theories – country-level universalism is strongly negatively correlated with historical and contemporary data on the tightness of kinship networks as well as the intensity of historical irrigation practices. While correlational in nature, these results are consistent

with the view that historical economic incentives shaped the distribution of universalism across the globe today.

Prominent theories about the origins of heterogeneity in universalism focus not only on historical (ancestral) economic incentives but also on people's lifetime experiences. In particular, both psychological (Henrich, 2020) and philosophical (Rawls, 1993) work has theorized that experience with democracy may induce greater universalism. Yet, rigorous evidence on this idea is scarce. To make progress, we first document a significant link between universalism and democracy at the country level. Motivated by this correlation, we investigate a potential causal effect of democracy by leveraging two empirical strategies from the political economy and cultural economics literatures. First, we link country-cohort-specific variation in democracy over an individual's lifetime to universalism. These differences-in-differences analyses always hold the respondent's country and age fixed, and leverage that different age groups were exposed to democracy for different amounts of time across countries. Second, we conduct cross-migrant analyses that hold the respondent's current country of residence fixed and leverage variation in democracy in the respondent's home country. In both sets of within-country analyses, experience with democracy is significantly predictive of universalism.

Moral views. A main takeaway from the analysis is that distributive behavior varies widely within and across societies. Yet, should we think of this as reflecting heterogeneity in *morality*? One possibility is that people indeed have heterogeneous moral views: as in philosophical discussions of morality, some people may consider it morally right to give more weight to the interests of their in-groups, while others consider it morally right to act in universalist ways (Rawls, 1993; Sandel, 1998, 2005). However, another possibility is that some people deviate from universalism despite viewing universalism as morally right, simply because their in-group members are more important to them.

To shed light on this, we decompose heterogeneity in universalism into heterogeneity in moral views and heterogeneity in in-group preferences. For this purpose, we make use of a between-subjects treatment design that was embedded into our survey. In a *Baseline* treatment, we simply asked respondents how they would allocate the money between the two individuals. In treatment *Moral*, we instead asked people how they would allocate the money if they were to do what they consider morally right. Strikingly, we find that respondents make almost the same allocation decisions, on average, when we ask them to do what they consider morally right as when we just ask them to allocate the money. This suggests that the vast majority of heterogeneity in universalistic behavior across the world reflects disagreement about what is the morally right thing to do, perhaps because some people believe in the existence of relationship-specific moral obligations, while others do not.

Contribution and literature. Taken together, the contribution of this paper is four-fold. First, we present a new set of stylized facts about how universalism varies across relationship types, individuals and countries. Second, we show correlations that suggest that this heterogeneity is relevant and meaningfully predicts both policy views and the structure of a society’s social fabric (civic engagement and radius of trust). Third, we document some of the potential drivers of the cross-cultural and cross-individual heterogeneity in universalism, including the first rigorous within-country evidence that experience with democracy may cause universalism. Fourth, we provide evidence that heterogeneity in universalism largely reflects heterogeneity in people’s moral views.

As an additional contribution, we constructed the *GUS* with a focus on making available to the research community a rich dataset that can potentially be used for a broad set of analyses in behavioral, cultural, political and development economics. Interested researchers can merge the *GUS* with the core module of the World Poll, which includes detailed information on demographics, economic and social views, emotions and behaviors. In the data section, we discuss how the *GUS* data facilitates within-country analyses across ethnolinguistic groups, subnational regions, and migrants.

Our work ties into various literatures. First, while early experimental work documented that people often exhibit in-group favoritism (e.g., Goette et al., 2006; Bernhard et al., 2006; Chen and Li, 2009; Fehr et al., 2013), a more recent empirical literature – referenced above – has focused on heterogeneity and how it predicts economic or political behaviors and outcomes. This work is restricted to a small set of typically Western countries, and the present study thus provides novel insights on the extent to which these findings generalize to the global scale. Second, we link to cross-cultural work on universalism, which has so far relied on small specialized samples (e.g., Henrich et al., 2010a) or more indirect measures of universalism (Tabellini, 2008a; Enke, 2019; Schulz et al., 2019; Le Rossignol and Lowes, 2022).¹ Third, our work links to the literature on distributive preferences, which differs from our focus in that it is mainly interested in fairness views rather than in-group-vs.-stranger tradeoffs (e.g., Konow, 2000; Cappelen et al., 2007; Almås et al., 2020). Finally, methodologically, we are related to prior work that uses the Gallup World Poll to study the global distribution of economic preferences (Falk et al., 2018; Becker et al., 2020; Sunde et al., 2022; Almås et al., 2022). Related is also work by Romano et al. (2021) who use a large online convenience sample to study cultural variation in prisoner’s dilemma play with in- and out-group members.

The paper proceeds as follows. Section 2–4 provide an overview of the *GUS* data and exposit the variation across relationships, individuals and countries. Section 5 stud-

¹For example, Enke (2019) uses a measure that is based on people who chose to complete the Moral Foundations Questionnaire on www.yourmorals.org. These country samples are typically small, self-selected and skew young, rich and well-educated. The correlation between our measure and his is 0.25.

ies links with demographics and political views. Section 6 reports the results on social capital. Section 7 describes cross-country correlations and the role of experience with democracy. Section 8 sheds light on the role of moral views and Section 9 concludes.

2 Data: The *Global Universalism Survey*

2.1 Sampling and Procedures

We sketch the survey procedures here; Appendix A contains a detailed exposition. As part of the Gallup World Poll 2020, we administered survey items to representative population samples in 60 countries, for a total effective sample size of 63,788 respondents. The sample includes countries from all regions of the world, which allows us to avoid the overrepresentation of Western populations that is endemic to most multinational studies. Our sample includes 10 countries from Western Europe, 8 from Eastern Europe and Central Asia, 7 from the Middle East and North Africa, 11 from Sub-Saharan Africa, 11 from the Americas, 4 from South Asia and 9 from Southeast Asia and the Pacific. In total, our data represent 85% of the world population and 90% of global GDP. Sampling took place through 530 Gallup sampling units; throughout most of the paper, we compute standard errors and confidence intervals based on clustering at these units, see Appendix A.3.3.

The surveys were conducted by local professional enumerators via telephone between September 2020 and February 2021 (face-to-face interviews were only used in India and Pakistan). Sampling was conducted using random dialing techniques. In addition to the randomness introduced by this technique, Gallup supplies sampling weights that render the sample ex-post representative along the dimensions of age, gender and, where reliable data are available, education or socioeconomic status.

The survey questions were supplied to Gallup in English and then translated by professionals into 70 languages (108 country-language combinations) using standard back-and-forth translation techniques. All monetary values used in the study were expressed in local currency, scaled by the ratio of the PPP adjusted GDP of each country relative to the United States.

2.2 Survey Questions and Treatments

Each respondent is randomized into one of two treatments, *Baseline* or *Moral*. The two treatments only differ in that in *Moral* the respondents are being told to do what they think is morally right, while there is no mentioning of morality in the *Baseline* treatment. Otherwise, the two treatments are identical.

Treatment Baseline. Treatment *Baseline* closely follows the hypothetical disinterested dictator games that were deployed and validated in Enke et al. (2022b,a). In these decisions, respondents allocate hypothetical money between a specific in-group member and a random stranger. The decisions are disinterested in the sense that respondents' own payoff is not at stake. The enumerator first introduced the following scenario:

“Suppose you have earned \$1,000, but you have to give away the money to two other people. You can’t keep any of the money for yourself. Assume that these two people have the same standard of living.”

Then, the enumerator randomly selected two out of five questions that only differed in the identity of the in-group member. These five questions measure universalism in the domestic domain. Across the five potential questions, the identities of the in-group members were: “a person in your family,” “a friend of yours,” “a person who lives in your neighborhood,” “a person who shares your religious beliefs” and “a person who shares your ethnic background.” Specifically, the respondents were asked:

“How much of your \$1,000 would you give to [IN-GROUP MEMBER], if the rest goes to a random stranger from [COUNTRY NAME]?”

Subsequently, each respondent answered a question that measures foreign universalism:

“Suppose now that the two people are someone from [COUNTRY NAME] and someone from anywhere in the world. Again, assume that these two people have the same living standard. How much of your \$1,000 would you give to a random stranger from [COUNTRY NAME], if the rest goes to a random stranger from anywhere in the world?”

The aim of the *Baseline* treatment is to measure how people behave in distributive situations where they have to trade off the interests of in-group and strangers (and do not have anything personally at stake). These decisions thus reveal universalistic behavior vs. in-group favoritism, without saying anything about the underlying motivations.

Treatment Moral. This treatment aims to elucidate the motivations underlying the allocation decisions in *Baseline*. One could imagine two broad motivations for why people differ in their degree of universalism: (i) moral views and (ii) group-specific altruism weights that lead one to deviate from a moral view. For example, according to (i), some people may believe that it is morally right to favor their in-group, for example because of the (perceived) existence of relationship-specific moral obligations. According to (ii), some people may allocate less than 50% to the stranger because they care more about their in-group (higher altruism weight), *even though they deem an equal split morally*

right. To assess the relative importance of these two mechanisms, treatment *Moral* had the same structure as *Baseline*, except that we explicitly asked respondents to choose what they consider morally right:

If you were to do what you think is morally right, then how much of your \$1,000 would you give to [IN-GROUP MEMBER], if the rest goes to a random stranger from [COUNTRY NAME]?

The idea behind this treatment is that the precursor “If you were to do what’s morally right” allows us to identify the respondent’s *moral view*. Appendix F provides a simple formal framework for how to interpret the treatment difference, and how to use it to decompose cross-group differences in universalism.

We implemented two different versions of treatment *Moral*, randomized across respondents. One version used the wording above. A second version used the same wording but additionally instructed respondents to “Assume that these two people are equally good people.” We introduced this variation to study whether people’s moral views are partly driven by respondents believing that their in-group consists of “better” or “more deserving” people. In our pre-analysis plan (see below), we specified that differences in behavior in these two sub-treatments might be negligible – which turns out to be correct – and that we would pool the data if that were the case.²

2.3 Data Cleaning and Construct Validity

Data cleaning. The Gallup World Poll maintains one of the (probably “the”) leading and most sophisticated global polling infrastructures in the world, with professional enumerators, sampling schemes, translation processes, quality checks, cognitive interviews in the field, and decades of experience. Still, any multinational survey of this scale is subject to some amount of respondent confusion or misrecordings by enumerators. To be as transparent as possible, Appendix A details all data issues that we discovered and corresponding remedies taken.

The most severe issue is an apparent occasional confusion. In our data, 20,338 out of 184,950 allocation decisions (11%) give strictly less to the in-group member. In principle, it is of course perfectly plausible that a respondent wishes to allocate more money to a socially more distant individual. However, various pieces of evidence detailed in Appendix A.7 – such as correlations with low cognitive skills, pronounced “flipping” patterns of correlations with demographics right around allocations of 50:50, and sys-

²We find that people are slightly more universalistic when they are asked to assume that the two individuals are equally deserving, but the treatment difference is quantitatively very small (0.3%) and statistically barely significant despite the large sample size ($p = 0.10$).

tematic clustering in certain survey strata – strongly suggest that some of these cases reflect respondent mistakes or misrecordings by the enumerator.

To balance the obvious tradeoff between potential concerns over data mining and the need for us to propose the most productive path for the broader research community in using this rich dataset going forward, we opt for a conservative strategy. We recode allocations to the in-group of $x < 50\%$ as $100\% - x$ if and only if the respondent allocates (i) weakly more than 50% to the more socially distant stranger in *all* questions and (ii) strictly more than 50% to the socially more distant stranger in at least half of all decisions (which in practice usually means at least two out of three). To see how conservative this strategy is, note that the modal respondent that gets recoded allocates *100% of the endowment to the socially more distant recipient in all decisions*. This procedure affects 4,328 respondents (6.8%) and 10,318 allocation decisions (5.6%). The occurrence of this pattern is very similar across high and low / middle income countries (6.4% and 7%, respectively). For transparency, Appendix D replicates all analyses in this paper using the original coding, with very similar results. The main exception is the democracy exposure analysis in Section 7.2, where large outliers render the OLS estimates insignificant with the uncorrected coding.

Ex-ante validation and pre-testing of survey questions. Our money allocation tasks are hypothetical in nature. This is in line with a growing line of work that documents that unincentivized measures of preferences are highly predictive of economic behaviors. An attractive approach in this literature – which we also follow here – is to formulate survey questions in close analogy to an incentivized choice context, just without implementing the choice (e.g., Falk et al., 2015, 2018; Stango and Zinman, 2019). This has the advantage that decisions are objectively defined and quantitative in nature.

In addition, the specific money allocation tasks described above have been tested and validated in three different ways. First, Enke et al. (2022b) experimentally validate the survey questions in the U.S. by showing that responses to the hypothetical money allocation games are strongly correlated with analogous incentivized choices. Second, as a lab-to-field validation, Enke et al. (2022b) document that behavior in our hypothetical money allocation games is strongly correlated with donation behavior: universalists donate less to local community organizations but more to national or international organizations. Third, as part of this project, Gallup and our research team pre-tested our survey items in so-called “cognitive interviews,” in which a small set of respondents in Brazil, Spain, Tanzania, and Turkey provided detailed feedback on their understanding and interpretation of the survey items before they went into the field.

2.4 Construction of Universalism Summary Measures

In the analysis, we sometimes consider each distributive situation (survey question) separately, but often aggregate across survey questions for simplicity and transparency. We compute three pre-registered summary measures: *Composite Universalism*, *Domestic Universalism* and *Foreign Universalism*. Each of these measures is in the range of [0, 100], where 0 means that all money is given to the in-group and 100 that everything is given to the more distant individual. *Domestic Universalism* corresponds to the average fraction of money shared with the domestic stranger in tradeoffs with in-group members.³ *Foreign Universalism* corresponds to the fraction of money shared with a global stranger in a tradeoff with a domestic stranger. *Composite Universalism* is the unweighted average of domestic and foreign universalism.⁴

The individual-level correlation between domestic and foreign universalism is $r = 0.32$. The fact that this correlation is very similar (on average) in high and low / middle income countries provides an indication that the quality of the data is comparable across income levels (if, for example, respondents in poorer countries answered more randomly, the correlation would be more attenuated relative to that in rich countries). We compute country averages of universalism using the sample weights provided by Gallup.

2.5 Additional Variables and Data Linkages

Questions on political views. Our survey module also included six questions about political views, out of which each respondent answered two (randomly selected):

“We are now going to read a number of statements. In each case, we want you to say whether you Strongly Agree, Somewhat Agree, Somewhat Disagree, Strongly Disagree.”

1. *The national government should aim to reduce the economic differences between the rich and the poor in [COUNTRY].”*
2. *The national government should focus on helping the poor in [COUNTRY], rather than the poor elsewhere in the world.*

³Our measure of domestic universalism is naïve in the sense that it does not account for which two questions a respondent answered. In the dataset, we also provide a more sophisticated measure that incorporates question fixed effects. The raw correlation between the naïve and sophisticated measure is $r = 0.99$. Thus, we work with the naïve and simpler measure in the main analysis.

⁴ Gallup surveyed a total of 66,233 respondents. However, as discussed in Appendix A, for 11% of respondents at least one allocation decision is missing, usually because the respondent indicated “Don’t know” or refused to answer. For 2,445 respondents, all money allocation decisions are missing, resulting in a final sample size of 63,788. In this sample, 7.5% of respondents have at least one allocation question missing. In those cases, we compute the summary statistics based on fewer questions. When either only domestic or only foreign universalism is available, we use that measure also for composite universalism.

3. *The national government should focus on protecting the environment in [COUNTRY], rather than protecting the global environment.*
4. *There are too many immigrants in the area you live in.*
5. *There are too many immigrants in [COUNTRY].*
6. *The national government should focus on having a strong military.*

Linkages to core module of World Poll and other datasets. The *GUS* dataset will be made publicly available upon publication of this paper. Because the data contain individual identifiers, interested researchers with a Gallup license can merge our data with the core World Poll data, which contain rich information about respondents' demographics, backgrounds, and economic and social views.

Three background variables deserve being mentioned due to their popularity in the literature and the possibility of using them to create linkages between the *GUS* data and other commonly-used datasets at different levels of aggregation. (i) The data contain information on the respondent's country of birth. Following the "epidemiological approach" in cultural economics, this enables cross-migrant analyses that leverage variation in characteristics of the respondent's home country while holding the current country of residence fixed (Giuliano, 2007). (ii) A respondent's interview language is recorded and can plausibly be used as a proxy for ethnolinguistic background and cultural ancestry. With the *GUS* data, we make available a matching of the vast majority of the country-language pairs in the World Poll to the corresponding country-language pair in the *Ethnologue*. (iii) The data contain information on the respondent's subnational region of residence, usually at the state or province level (1,341 distinct subnational regions). We make available a matching of the regions in the World Poll with equivalent level 1 regions in the *Database of Global Administrative Areas*.

2.6 Pre-Analysis Plan

We pre-registered almost all of the analyses in this paper in the AEA RCT registry at <https://www.socialscienceregistry.org/trials/7525>. The pre-registration included: (i) how we aggregate individual allocation decisions into a universalism summary statistic; (ii) a plan for how to analyze treatment effects; (iii) predictions about the link between universalism and demographics; (iv) predictions about correlations between universalism and political views; and (v) predicted cross-country correlations. The main analyses that were not pre-registered are the exposure to democracy analysis in Section 7.2 and the analysis of the radius of trust.

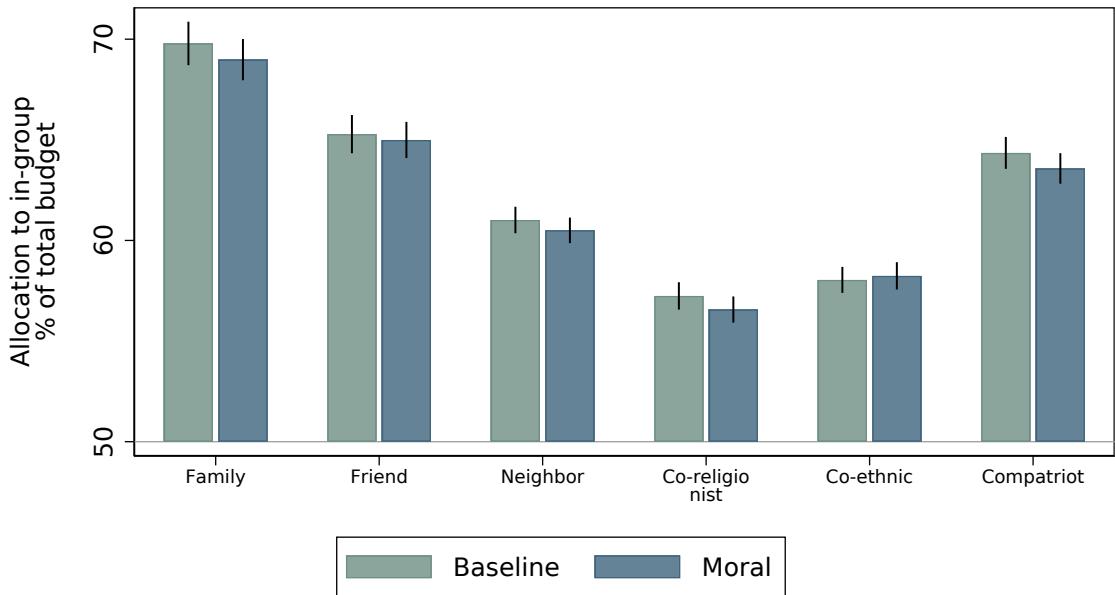


Figure 1: Mean money allocations to the in-group by treatment. Each bar indicates how much of the budget was given to the in-group. Whiskers show 95% confidence intervals, computed based on clustering at the sampling unit level (530 clusters).

3 Relationship-Specific Moral Views

Figure 1 shows average allocations to the in-group (in terms of percentage of the total budget) in each of our six distributive decisions, separately by treatment condition.⁵ The first five groups of bars summarize allocations in the trade-off between in-group members and a domestic stranger. The rightmost bars summarize allocations in the tradeoff between a domestic stranger and a global stranger.

We make three main observations. First, our global data robustly show that people deviate from fully universalistic *behavior*: in treatment *Baseline*, people on average consistently allocate more to their in-groups across distributive decisions.

Second, the extent to which people deviate from universalistic behavior depends on which in-group is involved in the decision, with people being less universalist when family, friends and neighbors are involved, compared to co-ethnics or co-religionists. For example, respondents on average allocate 22% more of their budget to the family compared to a co-religionist. These patterns are intuitive in that the first three groups usually capture personal relationships, while the latter two groups are best thought of as social identities without strong personal connections to most other in-group members. At the same time, we see that respondents do exhibit relatively large in-group favoritism when

⁵Appendix Figure B.1 shows histograms for each of the allocation decisions. Across all questions, there are large spikes at allocations of 50:50 (full universalism) and 100:0 (full in-group favoritism). In total, 50% of all decisions reflect equal splits and 15% full favoritism.

making a decision involving a compatriot and a global stranger, even though compatriots are also an impersonal in-group.⁶

Third, Figure 1 provides global evidence that deviations from universalistic behavior largely (but not entirely) reflect moral views, and that these moral views differentiate strongly across different relationships. This can be inferred from the pattern that allocation decisions are similar across treatments *Baseline* and *Moral*. Overall, average allocations to the in-group are 0.6% percentage points higher in *Baseline* than in *Moral*, from a baseline of 63.4%. This difference is statistically significant, see Appendix Table C.3.

Given that allocation decisions are relatively similar across treatments, we pool the data for all analyses that follow. Indeed, not only average allocations are similar across treatments. The *distribution* of decisions in *Baseline* and *Moral* is visually almost indistinguishable from each other as well (Appendix Figures B.3 and B.4). We return to the treatment difference between *Baseline* and *Moral* in Section 8 when we discuss the sources of differences in universalism across demographic groups and countries.

4 Variation Across Individuals and Countries

While we see quantitatively large differences in average allocations across different relationship types, this does not mean that individuals do not exhibit somewhat stable universalism types. Indeed, in our data, all 15 correlations among the six distributive decisions are positive and range between $r = 0.21$ and $r = 0.52$ (Appendix Tables C.1–C.2). This suggests that some individuals are consistently more universalist than others and that analyzing individual-level summary measures of universalism is meaningful.

Figure 2 shows that there is large variation in the composite universalism measure ($N = 63,788$).⁷ About 30% of respondents make universalistic decisions by splitting equally between in-group and stranger, while 6% always give everything to the in-group. 57% of respondents allocate strictly more but not everything to the in-group; the remaining 7% of respondents give slightly more to the stranger.

Heterogeneity at the country level is also substantial, as shown in Figures 3 and 4. Figure 3 shows a global map of composite universalism (see also Appendix Figures B.5–B.7 for more disaggregated statistics of domestic and foreign universalism as well as their difference). Figure 4 lists all countries and shows their levels of domestic, foreign

⁶Given our global sample, an immediate question is whether countries differ in their implied ranking of different types of in-groups. For instance, it is conceivable that some populations predominantly value neighbors, while others value shared ethnicity. Appendix Figure B.2 instead shows that countries are very similar in which types of in-groups they value more. For example, 55 out of 60 countries exhibit the highest degree of favoritism towards family, and 42 countries exhibit their second-highest degree of favoritism towards friends.

⁷Appendix Figure B.4 shows the distributions for domestic and foreign universalism separately. The figure also reports the distribution of the difference between domestic and foreign universalism.

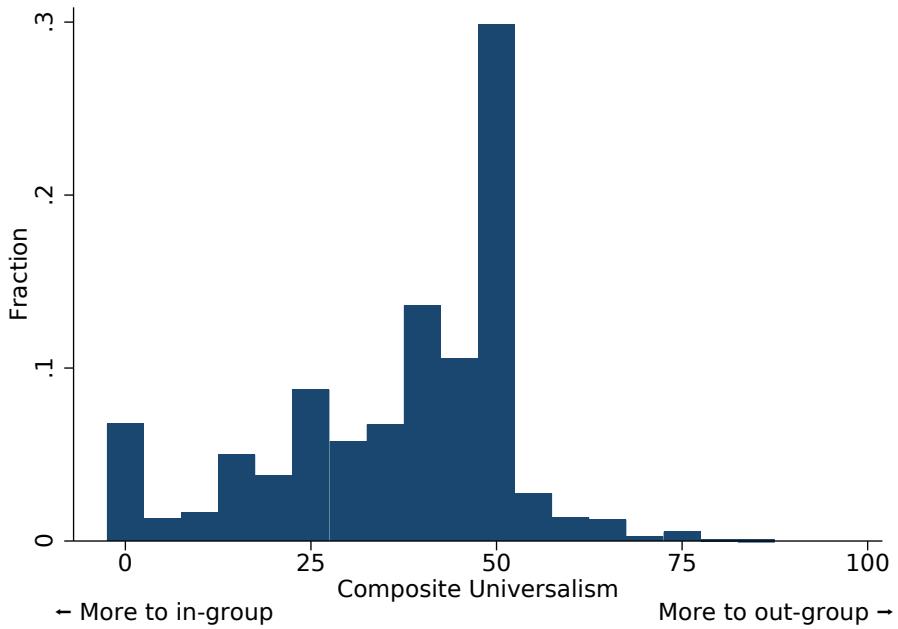


Figure 2: Distribution of composite universalism across individuals, pooled across treatments ($N = 63,788$). 0 means that all money is shared with the in-group, 50 captures equal splits (on average), and 100 that all money is shared with the socially more distant stranger.

and composite universalism. We see that average composite universalism varies between roughly 25 and 45, with China, Israel and India exhibiting particularly low universalism, and Ethiopia being the most universalist country in our sample. On average, an Ethiopian respondent shares 20 percentage points more of the monetary endowment with the more socially distant person than a Chinese respondent. Overall, universalism is relatively high in Sub-Saharan Africa, Latin America and to some extent Western Europe and its offshoots. In contrast, universalism is lower in East Asia, South Asia, Eastern Europe and to some extent in the Middle East.

Given the large heterogeneity at both the individual and the country level, a question is which source of variation is dominant in the dataset. The variance explained in a regression of composite universalism on country fixed effects is 8.4%. This suggests that while cross-country variation is quantitatively large (see Figure 4), individual-level heterogeneity is even more pronounced.⁸

Figure 4 shows notable variation in domestic vs. foreign universalism both across regions and across countries within regions. For example, populations in East Asia, North Africa and the Middle East are more universalist in situations involving tradeoffs between domestic in-groups, whereas Western Europe is particularly universalist in domestic-

⁸An intermediate source of variation between countries and individuals are subnational regions. While our samples are not designed to be representative at the regional level, the sample size is still often sufficiently large for meaningful analyses. Appendix Figure B.10 illustrates this by showing variation across sub-national regions in the U.S., India and China.

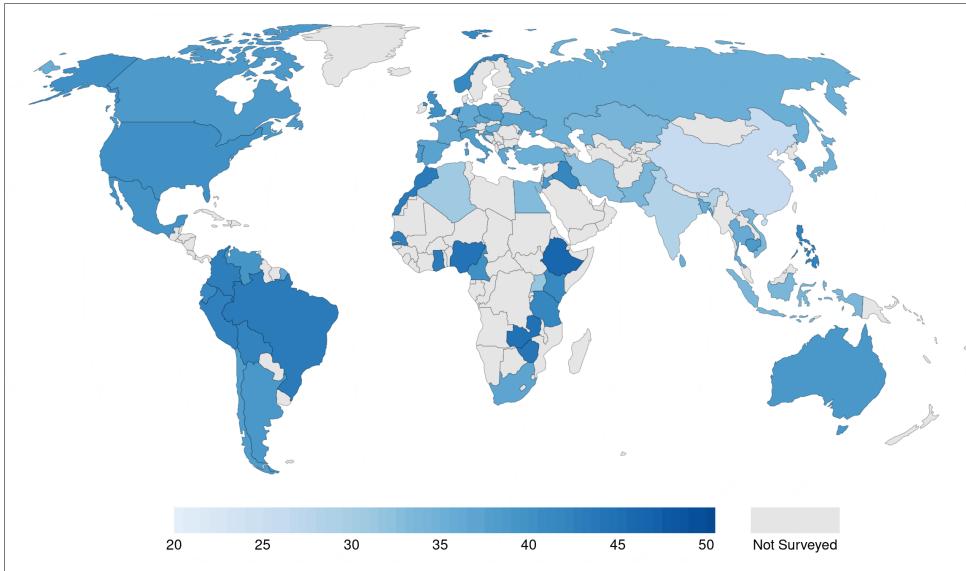


Figure 3: Global variation in composite universalism. The map shows the country level average of composite universalism, pooled across treatments. 0 means that all money is shared with the in-group, 50 captures equal splits (on average), and 100 that all money is shared with the socially more distant stranger.

foreign tradeoffs. We see slightly more variation in foreign universalism (cross-country mean 36.7 and s.d. 5.1) than in domestic universalism (cross-country mean 37.7 and s.d. 4.2). Overall, the country-level correlation between domestic and foreign universalism is $r = 0.48$.

An immediate question is whether cross-national variation in universalism is linked to heterogeneity in comparative development. As shown in Appendix Figure B.8, raw correlation of composite universalism with log per capita income is slightly negative ($r = -0.24$, $p = 0.07$). This relationship is entirely driven by domestic ($r = -0.43$) rather than by foreign ($r = -0.01$) universalism, see Appendix Figure B.9. This slightly negative correlation goes against a popular theory in cultural psychology that – based on more indirect measures – views rich nations as unusually universalist (Henrich et al., 2010b). At the same, the negative correlation that we identify is consistent with the negative individual-level correlation between universalism and income to be documented in Section 5 below.

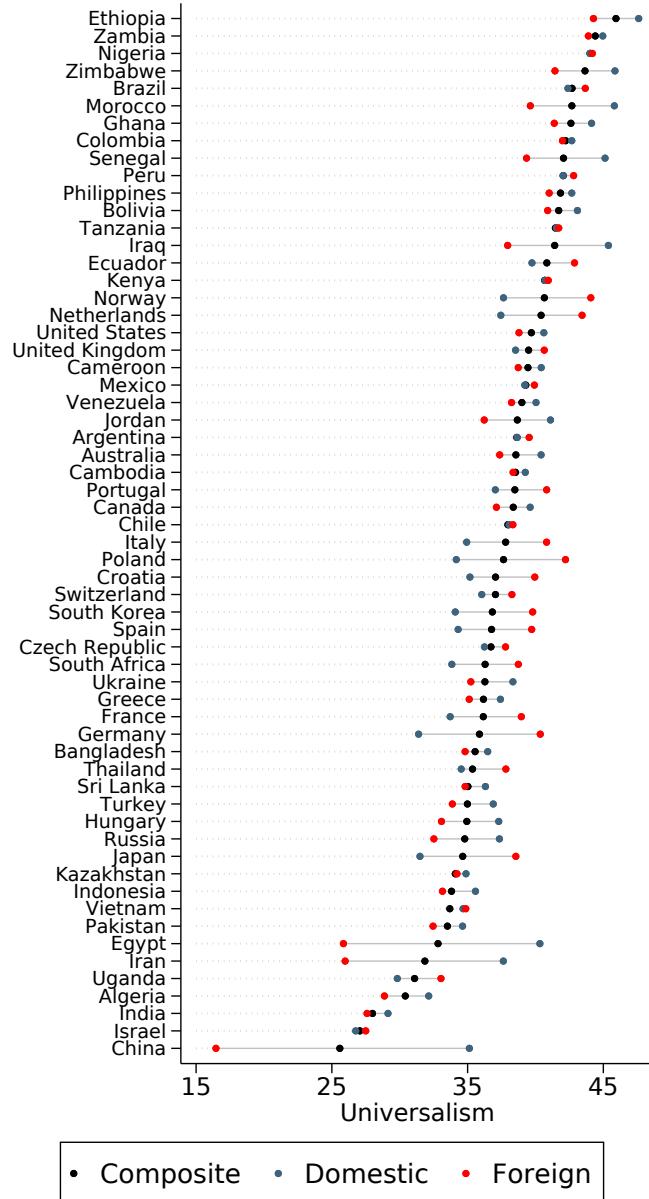


Figure 4: Average composite, domestic and foreign universalism by country. 0 means that all money is shared with the in-group, 50 equal splits, and 100 that all money is shared with the socially more distant stranger. Composite universalism occasionally doesn't equal the average of domestic and foreign universalism because of missing domestic or foreign universalism data (see footnote 4 and Appendix A.6).

5 Individual-Level Correlates and Political Views

5.1 Demographic Correlates

Economists and other social scientists are often interested in the demographic correlates of individual preferences, beliefs and moral values. A main motivation for this line of research is to shed light on the behavioral motivations that underlie across-group differences in economic behaviors and outcomes. The link between demographics and

universalism is less well-explored than is the case for preferences like risk aversion, time preferences, or altruism. We pre-registered an analysis of six demographics to study these differences. The signs indicate the ex-ante hypothesized relationships with universalism: age (-), male (-), income (-), education (+), urban residence (+) and religiosity (-). Our predictions were made based on the available data from rich, Western populations (Enke et al., 2022b,a).

Figure 5 shows the results of OLS estimations, in which we separately regress composite universalism on each of the aforementioned variables, controlling for country and treatment fixed effects (Appendix Figures B.11 and B.12 show the patterns for domestic and foreign universalism separately). For ease of comparison, demographic variables are recoded to be binary. To investigate a potential cultural specificity of demographic correlations, we show the results in the full sample and additionally for three sub-samples: 13 “Western” high income countries (labeled WEIRD by cultural psychologists), 8 non-Western high income countries such as Israel, Japan and South Korea, and 39 low / middle income countries.⁹ Appendix A.3 clarifies the assignment of countries to these three groups.

In the first panel, we observe that respondents who are above median age in their country are less universalist and allocate 1.9 percentage points less of the monetary budget to the stranger. This magnitude is very similar across the different groups of countries. Moving beyond the simple median split shown in Figure 5, the OLS coefficient in a regression of composite universalism on age suggests that moving from age 20 to age 80 is associated with a decrease in the amount shared with the stranger of 4.1 percentage points. For example, in the U.S., where the budget to be split was \$1,000, this corresponds to a decrease of \$41. To put this magnitude in perspective, the sample mean of composite universalism is 37% (\$370 in U.S. terms).

The second panel documents that men are less universalist than women, on average, by 2.1% of the budget. This gender difference is similar across rich WEIRD, rich non-WEIRD and poorer countries.

The third through fifth panel show analogous results for more endogenous demographics: whether the respondent falls into the top two out of five income buckets in Gallup’s data, whether they have completed a college degree, and whether they reside in a city. Regarding income, we see that richer people tend to be less universalist in all groups of countries, though this relationship is considerably smaller in magnitude than is the case for age and gender differences.

In the full sample, college-educated respondents are *less* universalist, yet the pat-

⁹To further illustrate the cultural specificity vs. generalizability of the demographic correlations, Appendix Figures B.13–B.15 show the link between universalism and demographics separately for each country.

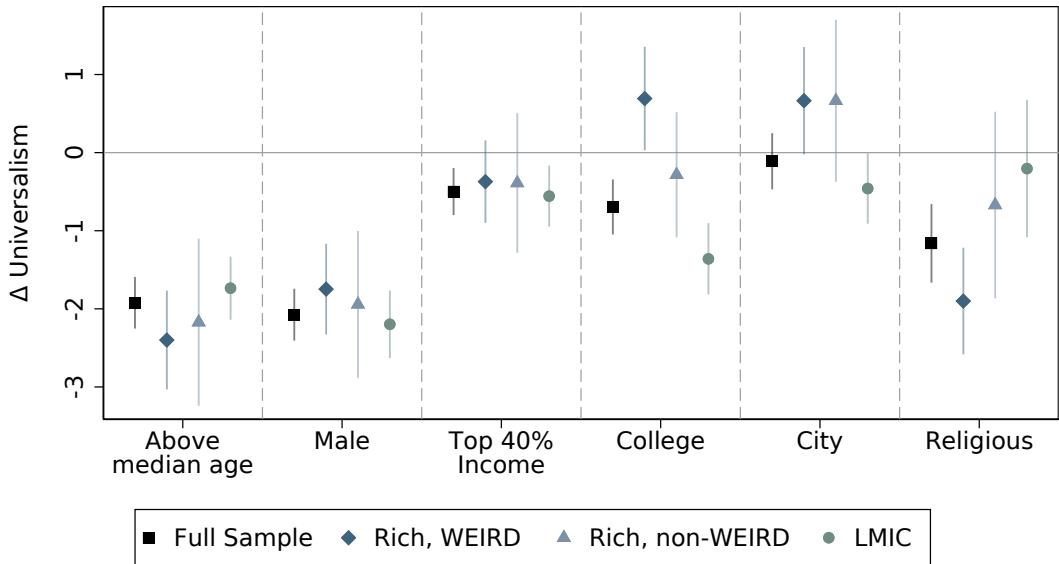


Figure 5: Universalism and demographics. OLS coefficients from regressions of composite universalism on each demographic, controlling for country and treatment fixed effects. Each coefficient reflects the results of a separate regression on a different sub-sample and can be interpreted as the percentage point change in universalism. All demographics are coded to be binary. Median age and income percentiles are computed separately for each country based on the sample. College captures a college degree, city whether the respondent lives in a big city, and religious whether the respondent reports belonging to a religious denomination. Whiskers show 95% confidence intervals, computed based on robust standard errors, clustered at the sampling unit level (530 clusters). LMIC = low- and middle-income countries. WEIRD = rich Western countries. The estimates used in creating this figure are displayed in Appendix Tables C.4, C.5, C.6, and C.7.

terns differ across the different groups of countries. As we hypothesized, the correlation is positive and statistically significant in rich, Western countries. In contrast, in low / middle income countries, college-educated respondents tend to be less universalist. Indeed, even in rich-but-not-WEIRD countries (such as South Korea, Japan or Israel), the college coefficient is statistically indistinguishable from zero.

Similar patterns hold for residing in a big city. While in the full sample there is no discernible link, for the high income countries we see that living in a big city is significantly positively correlated with universalism. However, opposite results hold in poorer countries. In all, these results on education and living in a city suggest that either self-selection into cities and educated environments operates fundamentally differently in rich and poor countries (as far as universalism is concerned), or that potential causal effects of education or cities on universalism are culturally specific.

The sixth panel documents that religious people allocate 1.2% less of the budget to the socially more distant recipient, on average. This pattern is more pronounced in the rich cultural West (WEIRD countries) than in other parts of the world. The analysis reported in the figure compares self-reported atheists / seculars with people who report belonging to a specific denomination. In Appendix Figure B.16, we study vari-

ation in the strength of religiosity (conditional on belonging to a denomination). We find that religious Christians are more universalist than non-religious Christians. In contrast, religious Muslism, Jews, Hindus and Buddhists are less universalist than their non-religious counterparts. Overall, these correlational patterns are broadly consistent with the argument that religious groups – while often large and impersonal in nature – are still to some extent group- and community-focused, and may therefore inculcate corresponding priorities.

In all, we view this set of results as illustrating the value of a global representative dataset like ours. For the more exogenous variables age and gender, the findings are in line with the predictions based on evidence from rich Western countries, with older people and males being less universalist. However, for the more endogenous demographics, the empirical evidence often goes against our pre-registered predictions. In line with a large body of work on the cultural specificity of psychological findings (Henrich et al., 2010b), this highlights that researcher expectations and intuitions need to be disciplined by representative data from various cultures. For example, based on correlations between universalism and education, researchers commonly express the intuition that education causes universalism and therefore produces certain political views (e.g., Gethin et al., 2022). Yet, if these correlations are entirely absent outside of the rich West, then either such causal claims are misguided, or more nuance is required in teasing out what makes Western education “special.”

5.2 Linking Universalism and Political Views

To study the link between universalism and economic and social policy views at a global scale, we make use of the second part of our survey module, described in Section 2.5. We elicited people’s views on different types of redistribution, environmental protection, immigration and the military. In our pre-analysis plan, and building on prior literature (Enke et al., 2022a), we hypothesized that universalism would be predictive of policy views that are often considered “left-wing”: (i) support for reducing inequality; (ii) support for helping the global vs. domestic poor; (iii) support for protecting the global vs. domestic environment; (iv) support for immigrants in the respondent’s area and country; and (v) lower support for a strong military. The broad idea behind all of these hypotheses is that policies such as federal, impersonal redistribution, global redistribution, climate change prevention and supporting immigrants are all very universalistic in nature because they typically benefit strangers. For example, we hypothesize that universalists desire *more* domestic redistribution because they care about all members of society. Yet, we also hypothesize that universalists would focus as much on helping poor people elsewhere in the world relatively to poor people in their country. Similarly,

supporting immigrants, the global environment and a weak military arguably all reflect weaker “us vs. them” thinking and should therefore be positively linked to universalism.

Figure 6 summarizes the results by providing binned scatter plots of political views against composite universalism. We code all political views such that our pre-registration predicts a positive correlation with universalism. These figures control for country and treatment fixed effects. We see that all relationships go in the predicted direction. Universalism is positively correlated with support for reducing economic inequality; focusing on helping the global vs. domestic poor; focusing on protecting the global vs. local environment; being open to immigrants in one’s area and country; and being opposed to a strong military. The patterns are visually clear and statistically significant ($p < 0.01$), except for support for immigrants in one’s own area, where the correlation is positive but not statistically significant ($p = 0.42$). Appendix Table C.9 shows that these results remain statistically significant and in the same quantitative ballpark also when controlling for income, education, age, gender, urban residence and religiosity.

Many of the policy views that we consider largely concern either domestic people (such as reducing domestic inequality) or a combination of domestic and international people (such as a strong military). If our measures of domestic and foreign universalism pick up meaningful independent variation (their correlation is $\rho = 0.32$), then they should be differentially predictive of policy views across the different questions. To assess this and to rigorously study quantitative magnitudes, Table 1 reports multivariate regressions. Here, we link policy views to both domestic and foreign universalism, controlling for income and education as well as age, gender and urban residence (suppressed for expositional ease).

The broad picture that emerges from this analysis is that the correlations of policy views with domestic and foreign universalism are usually significantly different from each other, and are always consistent with a domain-specific role. For example, consistent with the view that reducing inequality largely concerns questions related to domestic universalism, we find in column (1) of Table 1 that support for reducing economic inequality is significantly correlated with domestic universalism, but uncorrelated with foreign universalism. Similarly, as shown in column (4), support for immigrants in one’s local area is only significantly associated with domestic universalism, perhaps because respondents interpreted this question as asking about within-country migrants. Conversely, the foreign universalism component turns out to be more important for those policy views that involve tradeoffs between compatriots and foreigners, such as for whether the global or domestic poor should be prioritized (column (2)), for whether environmental protection efforts should focus on the global or local environment (column (3)), and for views on the military (column (6)). Of course, given that foreign and domestic universalism are positively correlated, it is unsurprising to see that often both mea-

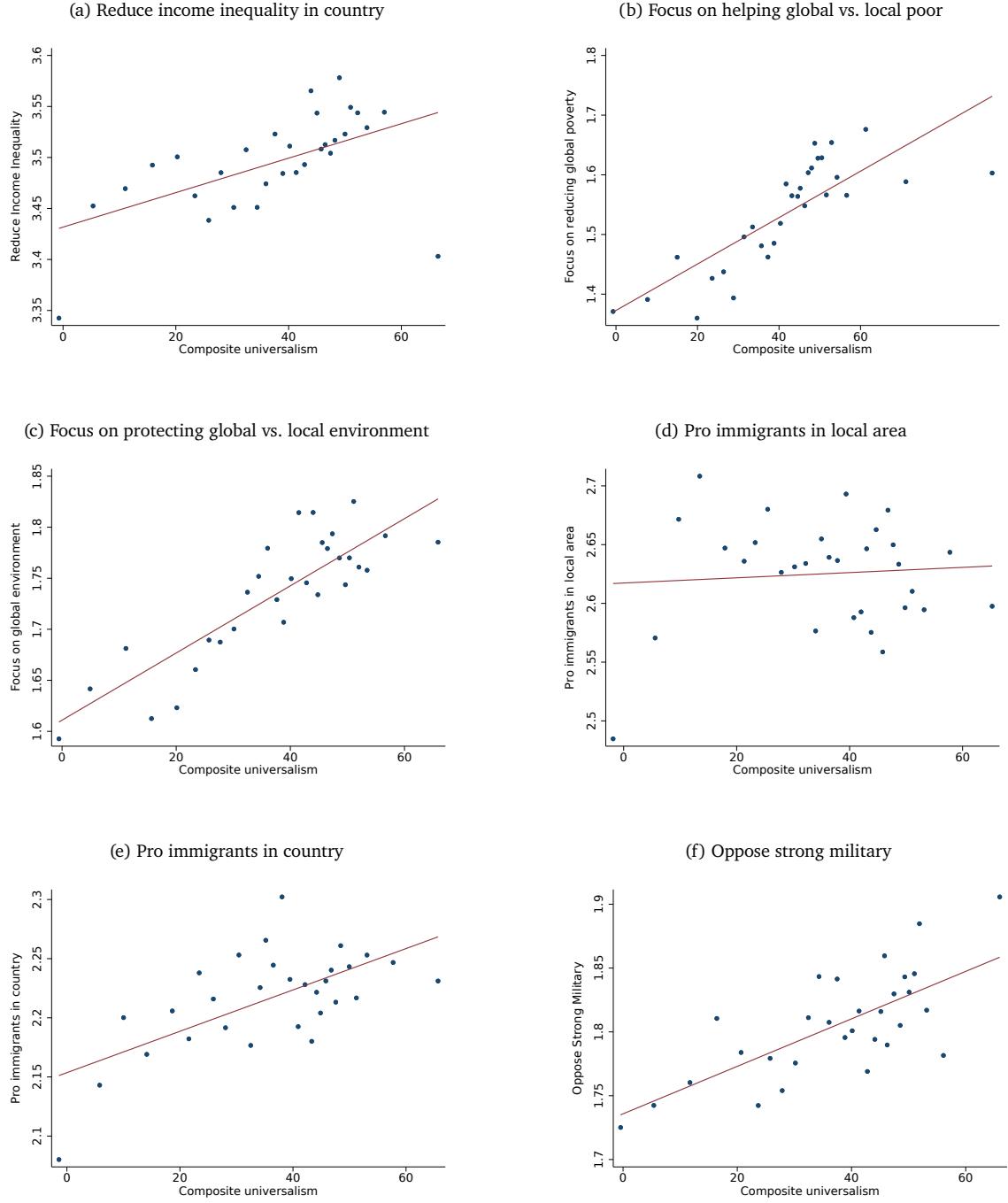


Figure 6: Composite universalism and political views at the individual level. The figures show binned scatter plots that average agreement with a policy priority for a given level of universalism. The figures are constructed controlling for country and treatment FE. Political views are coded as 1–4, based on responses of “Strongly disagree”, “Disagree”, “Agree” and “Strongly agree.” See Section 2.5 for the wording of the political questions. The sample size varies between $N = 18,735$ and $N = 21,724$ across panels.

sures are statistically significant – but the relative magnitudes are always consistent with domain-specific universalism considerations.

Overall, the quantitative magnitude of the universalism coefficients suggests that an increase in universalism from zero to 50 (equal splits) is associated with an increase in

Table 1: Universalism and political views at the individual level

	Dependent variable:					
	Reduce Inequality	Prioritize global vs. domestic		Pro immigrants		Weak military
		(1) (poor)	(2) (environment)	(4) (in area)	(5) (in country)	(6)
Domestic universalism / 100	0.18*** (0.04)	0.07* (0.04)	0.09** (0.04)	0.17*** (0.04)	0.09** (0.04)	-0.05 (0.04)
Foreign universalism / 100	-0.01 (0.03)	0.34*** (0.03)	0.23*** (0.03)	-0.06 (0.04)	0.13*** (0.05)	0.22*** (0.04)
College education	0.00 (0.02)	0.08*** (0.02)	0.12*** (0.02)	0.15*** (0.02)	0.15*** (0.02)	0.16*** (0.02)
Income quintile	-0.01 (0.00)	0.01** (0.00)	0.01** (0.01)	0.01* (0.01)	0.01* (0.01)	0.02*** (0.01)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes
Demographic controls	Yes	Yes	Yes	Yes	Yes	Yes
Adjusted R^2	0.066	0.155	0.163	0.149	0.205	0.257
Observations	18528	18676	18478	21248	20951	18430

Notes. Estimates from OLS with robust standard errors, clustered at the sampling unit level (530 clusters). Universalism is divided by 100 for expositional ease. Each observation is an individual. See Section 2.5 for the wording of the political questions. Responses are coded as “Strongly agree”, “Somewhat agree”, “Somewhat disagree” and “Strongly disagree”. We transform these into values 1, 2, 3 and 4. We code all political variables such that our pre-registration predicts a positive correlation with universalism. Ordered probit regressions show very similar results. College education is an indicator. Income quintile is a variable with values 1–5. Appendix Table C.10 presents estimates controlling for religiosity (not included in the main analysis because it wasn’t elicited in five countries). * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

support for the left-wing policies of between 0.06 and 0.17 points on a four-point scale. For comparison, consider explanatory variables that have attracted interest in traditional political economy analyses, such as income or education. The universalism coefficient is considerably larger (sometimes by a factor of 10) than the effect implied by moving a respondent from the lowest to the highest income quintile. Likewise, interpreted causally, the implied effect size of moving a respondent’s universalism from zero to 50 is often as large as the effect associated with a college degree.

Heterogeneity across countries. To investigate a potential cultural specificity of these patterns, we again partition the set of countries into rich WEIRD, rich non-WEIRD and low / middle income countries. Figure 7 summarizes the results. There are two main takeaways. First, the relationships between universalism and policy views are almost entirely driven by relatively rich countries. In the low and middle income countries, only two out of seven coefficients are significantly different from zero in the predicted direction. Second, even within the set of high income countries, the regression coefficients

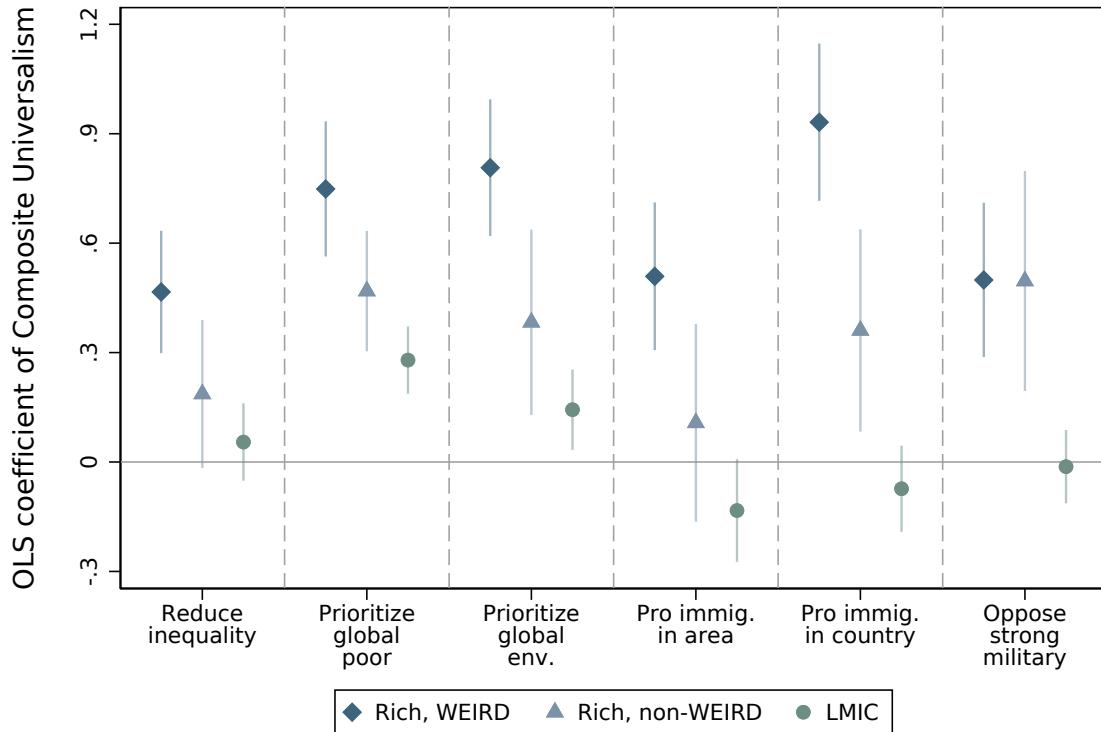


Figure 7: Individual-level composite universalism and political views in different sub-samples. OLS coefficients from regressions of political attitudes on composite universalism, controlling for country and treatment fixed effects. Each coefficient reflects the results of a separate regression on a different sub-sample and can be interpreted as the change in agreement with a policy priority (on a scale 1–4) in response to moving universalism from 0 to 100. Whiskers show 95% confidence intervals, computed based on robust standard errors, clustered at the sampling unit level (530 clusters). LMIC = low- and middle-income countries. WEIRD = rich Western countries. The estimates used in creating this figure are displayed in Appendix Tables C.11– C.16

tend to be roughly twice as large in the WEIRD compared to the non-WEIRD countries.¹⁰

These results highlight the cultural specificity of the link between universalism and support for left-wing policies. One potential reason is that people outside the rich West form their political opinions based on considerations other than universalism. Another possibility is that political elites in rich Western nations emphasize themes related to universalism vs. favoring in-groups to a greater degree than politicians outside the West. Our study was not designed to tease these potential mechanisms apart.¹¹ Further research is needed to disentangle the role of political parties and voters in driving hetero-

¹⁰Enke et al. (2022a) study the link between universalism and policy views in a smaller, seven-countries study. They also find that universalism is less predictive of policy views in the two non-WEIRD countries in their sample (Brazil and South Korea).

¹¹A potential mechanical reason for the differences in coefficient estimates could be differential measurement error in universalism. There are various pieces of evidence that speak against such an account. First, as discussed in Section 5, the correlations between universalism, age and gender (the most exogenous individual characteristics in our data) are very similar across countries. Second, as discussed in Section 6.1, the link between universalism and civic engagement / community attachment is very similar across the different groups of countries. Third, as discussed in Section A.6, various other indicators of data quality are very similar across countries with different income levels.

geneity in the importance of universalism across countries.

6 Universalism and the Social Fabric of Societies

A broad social science literature argues that people's degree of universalism is essential for the structure of a society's social fabric (e.g., Putnam et al., 1992; Putnam, 2000). Here, the key distinction is between social capital that is more "local" and personal and social capital that is more "global" and impersonal in nature. We understand social capital broadly as encompassing civic-mindedness and the radius of trust, both of which are widely believed to be relevant for determining the structure of economic and social cooperation in society.

The reason why universalism should matter for the structure of a society's social fabric is that if people's moral circle only includes those that are close to them, they will not be willing to engage in prosocial acts (such as cooperating with strangers) more broadly. A broader civic engagement could also strengthen the social fabric by increasing the radius of trust in society. On the other hand, as argued by philosophers such as Sandel (2005), universalism may also have a "dark side" in that it may reduce community attachment. We study these issues in two steps. First, we make use of Gallup's survey questions for an individual-level analysis of civic engagement and community attachment. Second, we study the country-level radius of trust.

6.1 Individual-Level Civic Engagement and Community Attachment

We leverage two questions that Gallup uses to gauge respondents' civic engagement and community attachment: (1) whether the respondent helped a stranger in the past month and (2) whether the respondent is likely or unlikely to move away in the next 12 months. Because the first question specifically asks about a prosocial act toward a stranger, we hypothesized that it should be positively correlated with universalism. Similarly, we view the decision to move away as an indicator of lack of community attachment and openness to interact with strangers, which is why we hypothesized that it is also positively linked to universalism.

Figure 8 reports the individual-level results. Each panel shows a binned scatter plot, in which each dot corresponds to the same number of underlying observations (total $N > 60,000$ in both plots). The plots are constructed controlling for country and treatment fixed effects. Universalism is positively correlated with having helped a stranger in need and planning to move away. Regarding quantitative magnitudes, for example, the coefficient estimate suggests that moving from composite universalism of 0 to 50 is associated with an increase in the probability of having helped a stranger of about

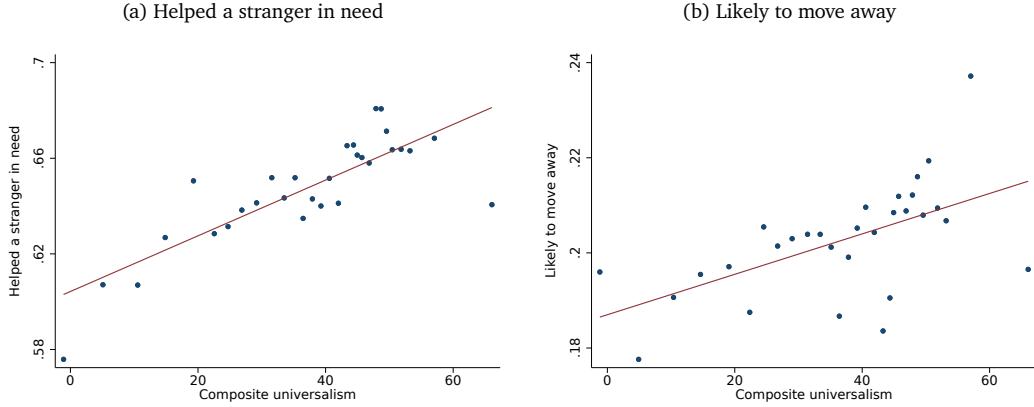


Figure 8: Individual-level composite universalism and civic engagement / community attachment. Each panel shows a binned scatter plot that, for a given level of universalism, computes the average probability of (a) having helped a stranger and (b) saying it is likely that one will move away in next year. The left panel is based on 63,450 and the right panel based on 61,199 respondents. Both panels are constructed controlling for country and treatment FE.

eight percentage points. Both of the correlations reported in Figure 8 are statistically significant ($p < 0.01$). Appendix Table C.8 provides corresponding regression analyses. For helping a stranger, the results remain statistically highly significant and in the same quantitative ballpark also when controlling for age, gender, income, education, religiosity and urban residence. For moving away, however, the correlation becomes statistically insignificant when controls are added, though we note that some of the demographics that we “control” for might well generate the variation in universalism of interest.¹²

6.2 The Radius of Trust Across Countries

While early research on cultural variation in social capital and trust studied how much people trust “other people in general,” more recent work has focused on understanding the more specific radius of trust in society: *which* social groups individuals trust or distrust (e.g., Delhey et al., 2011; Enke, 2019; Schulz et al., 2019; Le Rossignol and Lowes, 2022). Such an analysis seems crucial because social and economic relationships in society are plausibly different if – holding fixed a certain level of average trust – people trust everyone to the same degree vs. exhibit high trust in in-group members but low trust in out-group members.

This issue is typically studied using a series of questions from the World Values Survey that elicit respondents’ trust in six specific groups: family, neighbors, people one knows, people one meets for the first time, people of another religion and foreigners. Following Delhey et al. (2011), the literature has converged on a standard summary statistic to aggregate these questions into an index of in-group vs. out-group trust, which is com-

¹²All of the links with universalism are quantitatively similar in high and low / middle income countries, and also hold when we consider each treatment separately.

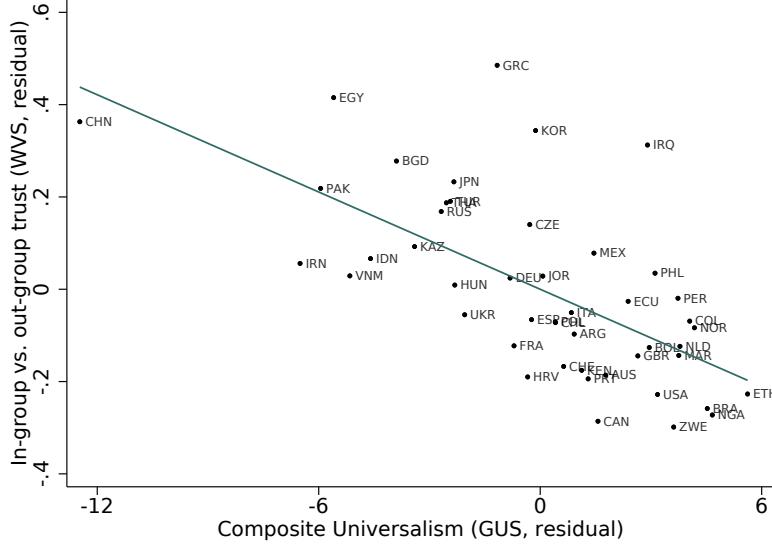


Figure 9: Country-level added variable plot of the difference between in-group and out-group trust against composite universalism, controlling for log per capita income. The difference between in-group and out-group trust is computed based on World Values Survey questions that ask about trust in three in-groups (family, neighbors, people one knows) and three out-groups (strangers, foreigners, people of another religion).

puted as average trust in the first three groups minus average trust in the latter three groups. Note that this index does not capture how much people trust others, but how much they trust in-groups more.

We hypothesize that cultural heterogeneity in universalism may be helpful for understanding the radius of trust in society. After all, if people's preferences (and / or moral views) are very universalist, they may act in universalist ways in daily life, such that, as a result, people's trust also becomes more "universalist." On the other hand, it is not mechanically true that universalistic preferences and the radius of trust are strongly related. First, whether people treat specific social groups and strangers well is not just determined by their universalism but also by other preferences, institutional factors, or historical accidents. Second, there is now a large economics literature that emphasizes the importance of misperceptions in people's beliefs about others, such that people's trust in different groups need not be well-calibrated (Bursztyn and Yang, 2022).

Figure 9 shows a partial correlation plot between in-group minus out-group trust and our composite universalism index, controlling for log per capita income. As we hypothesized, the correlation is strongly negative, such that societies with more universalistic preferences (or morals) also exhibit a broader radius of trust. The partial correlation is $\rho = -0.64$ and the raw correlation is $\rho = -0.41$ ($p < 0.01$ for both).

Taken together, the individual- and country-level analysis suggests a strong link between universalism and the structure of social capital in society. On the one hand, uni-

versalists tend to have broader circles of trust and are willing to help out strangers. On the other hand, they also exhibit lower community attachment, which may indicate fewer close social ties. These results jive with our conceptualization of universalism as capturing heterogeneity in *towards whom* people are prosocial, rather than *how much*.

7 Understanding Cross-Cultural Heterogeneity

7.1 Deep Determinants Across Countries

In recent years, various contributions have studied potential historical, cultural or ecological determinants of a group-based psychology and morality. A prominent idea in the literature is that people's views on the moral appropriateness of universalism are economically functional: they partly evolved to support and incentivize cooperation in economic production, such that different economic systems incentivized either a universalist or a relationship-specific morality (see Tabellini, 2008b, for a theoretical exposition of this idea). Below, we first summarize these arguments and then investigate whether the cross-country variation in our universalism data can descriptively be explained by some of these accounts.

A first argument is that a relationship-specific morality has been fostered by tight kinship ties (Enke, 2019; Henrich, 2020; Greif and Tabellini, 2017; Schulz, 2022). The argument is that societies with tight kinship (extended family) systems inculcate preferences and moral views of low universalism into their members because such a psychology is economically functional when economic production and exchange networks largely involve kith and kin. Relatedly, Schulz et al. (2019) and Henrich (2020) argue that Christianity induced higher universalism as the Western European Church was actively involved in dissolving the tight extended kinship systems that may have created and supported relationship-specific moral obligations. According to this body of theories, kinship tightness and Christianity should be related to universalism in opposite directions.

A second argument likewise asserts that the historical subsistence mode had an effect on people's moral views. Compared to rainfed agriculture, irrigation-intensive crops such as wetland rice are theorized to produce more interdependent and less universalist societies because building and maintaining large-scale irrigation systems requires extensive cooperation and collaboration with neighbors. Because irrigation could not be efficiently practiced by individual farmers, people had to rely on the group for economic production and survival, hence potentially fostering a morality in which relationship-specific obligations and in-group favoritism play a salient role. In contrast, rainfed agriculture does not require extensive local cooperation, which may induce a more universalist morality.

Accordingly, the literature has studied the effects of irrigation practices on a group-based psychology (e.g., Talhelm et al., 2014; Boggle, 2020).

To test whether these accounts can shed light on cross-country variation in the *GUS* data, we study correlations with the tightness of historical kinship networks (from Enke, 2019), data on contemporary cousin marriage (which has been argued to be a contemporary proxy for tight kin networks Schulz, 2022), the share of Christians in society (from Barro, 2003) and the intensity of ancestral irrigation practices (taken from Boggle, 2020). Figure 10 shows added variable (partial correlation) plots for each of these variables. Each panel is constructed controlling for log per capita income. All of the variables are conditionally correlated with universalism in ways hypothesized by prior literature: societies with tight ancestral kinship ties, higher rates of cousin marriage, a smaller share of Christians,¹³ and those with more intensive irrigation practices are less universalist. The raw (partial) correlations with universalism are -0.18 (-0.42) for kinship tightness, -0.32 (-0.44) for log cousin marriage rates, 0.45 (0.55) for share of Christians, and -0.33 (-0.38) for ancestral irrigation. The partial correlations for are all statistically significant at the 1% level.

Jointly, ancestral kinship tightness, the share of Christians, ancestral irrigation and contemporary per capita income “explain” 40% of the variation in universalism. However, naturally, the partial correlations reported above do not shed light on which (if any) of these variables *cause* universalism, both because the variables are all intra-correlated and because of the potential for reverse causation or other omitted variables.¹⁴

7.2 Experience with Democracy and Universalism

A prominent narrative among social scientists is that exposure to democracy fosters universalist moral views: if all people in society engage in collective decision-making to elect a joint set of leaders, then this may weaken group-based divisions and induce people to treat all others alike. Indeed, philosophers such as Rawls (1993) have argued that a fair basic structure in society (including democracy) creates specific moral obligations towards compatriots. Similarly, democracy is frequently highlighted in discussions of po-

¹³One reason for the strong correlation between Christianity and universalism is that many sub-Saharan African populations that exhibit relatively high foreign universalism (Ethiopia, Kenya, Ghana, Tanzania, Kenya, Zimbabwe) are partly Christian today. (The correlation between foreign universalism and Christianity is $r = 0.60$). The same is true of South American countries such as Ecuador, Colombia or Brazil. On the other hand, many countries in North Africa, the Middle East and South Asia exhibit low universalism and have small Christian populations (e.g., Iran, Israel, Egypt, India, Algeria, Turkey, Pakistan, Bangladesh).

¹⁴In our pre-analysis plan, we specified that we would additionally study the correlations between universalism and other country-level outcomes, including property rights, education, federal redistribution, income inequality, foreign aid and environmental protection. The correlations are reported in Appendix Figure B.17. We also intended to look at the prevalence of family firms but were unable to locate a dataset on family firms that had sufficient coverage for a meaningful analysis.

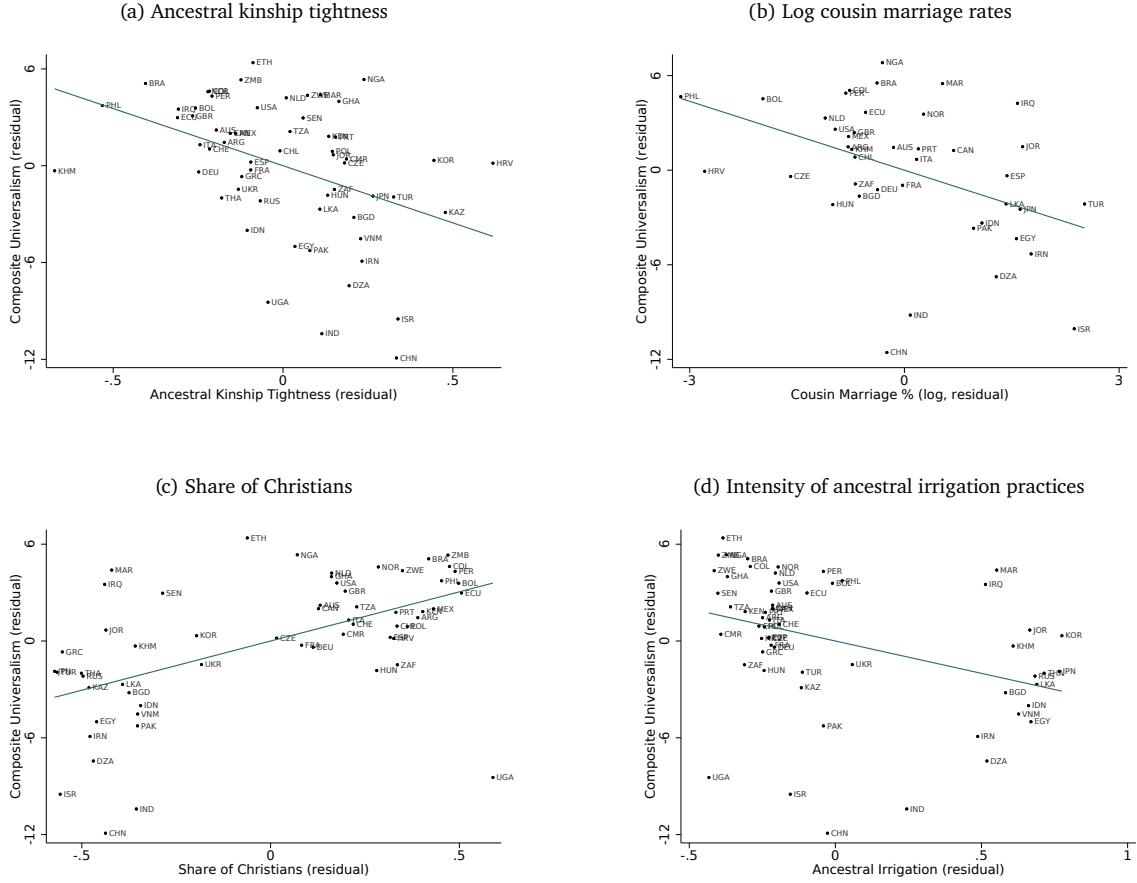


Figure 10: Country-level added variable plots of the cross-country relationships between composite universalism and ancestral kinship tightness (top left panel), the log of contemporary cousin marriage rates (top right panel), Christian share (bottom left panel) and the intensity of ancestral irrigation practices (bottom right panel). Each panel is constructed controlling for log per capita income. Kinship tightness measures the tightness of extended family relationships of the ancestors of today's populations (Enke, 2019). Ancestral irrigation captures how much the ancestors of today's populations relied on irrigation for economic subsistence (Buggle, 2020). Both kinship tightness and ancestral irrigation practices are measured at the ethnicity-level in the Ethnographic Atlas (Murdock, 1967) and then mapped to contemporary country populations. Country-level cousin marriage rates are from Schulz (2022). The share of Christians is from Barro (2003).

tential drivers of morality by psychologists and cultural evolution researchers (the “D” in the widely-used WEIRD acronym).

The GUS dataset facilitates an investigation of this hypothesis. As a first step, Figure 11 shows the partial cross-country correlation between the Polity V democracy index and composite universalism, controlling for log per capita income. The raw correlation is 0.22 and the partial correlation 0.42, $p < 0.01$.

To move beyond this purely descriptive evidence, we now make use of the fact that, unlike variables that are fixed or very slow-moving, the degree of democracy varies widely not just across countries but also across age cohorts.

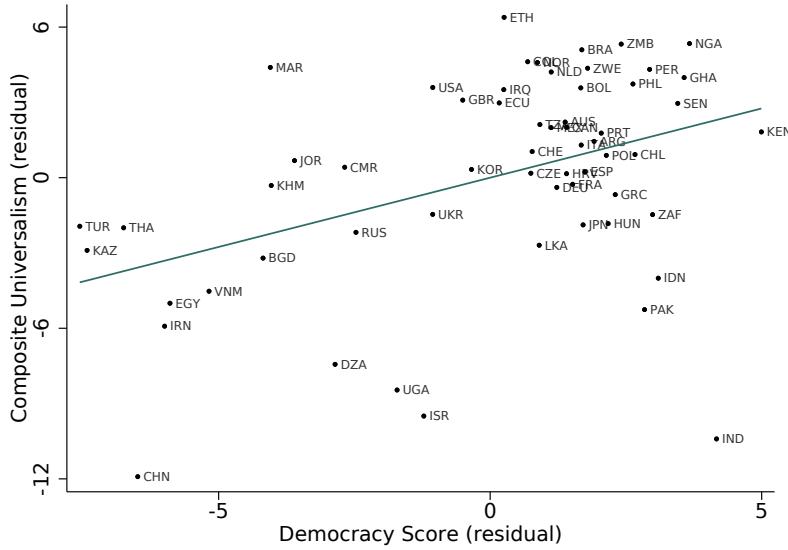


Figure 11: Country-level added variable plot of composite universalism against democracy, controlling for log per capita GDP. The democracy score ranges from 0 to 10 and is taken from the Polity V dataset. It includes information on competitiveness of executive recruitment, openness of executive recruitment, constraint on chief executive and competitiveness of political participation.

7.2.1 Variation Across Country-Age-Cohorts

Recent research has leveraged country-cohort-specific variation in lifetime experience with democracy to study the determinants of support for democracy (Fuchs-Schündeln and Schündeln, 2015; Acemoglu et al., 2021). Here, we use the same difference-in-differences strategy to provide initial evidence on whether experience with democracy shapes universalism.

For each respondent in the *GUS*, we construct an index of the strength of experience with democracy. We work with the democracy score in the Polity V dataset, which is a summary index ranging from zero to ten that captures different institutional aspects such as the degree of constraints on the executive and the competitiveness of political recruitment and participation. For most countries in our sample, this variable is available for each year. For each individual in our data, we compute the average democracy score over a respondent's lifetime in their current country of residence.

Two remarks on the sample are in order. First, because the Polity V democracy score is missing for some countries and years, we restrict attention to respondents for whom the democracy score is available for at least 75% of their lifetime, since otherwise we cannot credibly proxy an individual's experience with democracy. Second, given that we separately look at migrants below, and given that we don't know when exactly an individual migrated to their current country of residence (based on which we compute experience with democracy), we exclude migrants from this first analysis, though we have verified that the results are quantitatively identical when we include them.

The regression analysis follows a difference-in-differences strategy that relates differential changes in universalism across cohorts in different countries to changes in cohort-level experience with democracy.¹⁵ Intuitively, the hypothesis is that if in a given country the young were exposed to democracy for a longer fraction of their lifetime than the old, then universalism should be higher among the young. However, if in another country the young were exposed to democracy for a shorter fraction of their lifetime than the old, then universalism should be higher among the old. Importantly, there is sizable variation across countries in which cohorts lived in a democratic regime for a longer share of their lifetime because different countries transition into and out of democracy at different points in time. Indeed, in Appendix Figure B.18, we show that there is significant within-country variation in experience with democracy across cohorts.

Table 2 summarizes the results. The regression reported in column (1) shows that, holding fixed an individual's age and their country of residence, longer experience with more democratic institutions is associated with higher universalism. The standardized beta in this regression (not reported in the regression table) is 8%, suggesting that a one standard deviation increase in experience with democracy is associated with an increase in 8% of a standard deviation in universalism. Column (2) shows that these patterns are specific to democracy and do not hold similarly for average lifetime (log) GDP per capita. Column (3) controls for demographics. The results are very similar.

Columns (4)–(7) break these patterns down into domestic and foreign universalism. While the point estimate of lifetime exposure to democracy is positive in both cases, it is 30–70% larger for domestic universalism (though the difference between the regression coefficients is not statistically significant).

7.2.2 Variation Across Migrants

The Gallup World Poll contains information about respondents' country of birth, which allows us to study a potential impact of democracy on universalism through cross-migrant analyses that hold the current country of residence fixed. The idea is that if two migrants currently reside in the same country, they may still have had differential experience with democracy in the past if they descend from different home countries. This is the so-called epidemiological approach in cultural economics (Giuliano, 2007). To facilitate this, we assign each migrant in the *GUS* data the democracy score in their country of origin, and link it to universalism, controlling for country of residence fixed effects. All non-migrants

¹⁵Formally, the estimating equation is given by:

$$univ_{i,a,c} = \alpha + \beta d_{a,c} + \sum_c \gamma_c \mathbb{1}_c + \sum_a \gamma_a \mathbb{1}_a + \epsilon_{i,a,c} \quad (1)$$

Here, $univ_{i,a,c}$ is universalism of individual i of age a from country c , $d_{a,c}$ is experience to democracy in a country-age cell, and the two summands capture fixed effects for age and country, respectively.

Table 2: Exposure to democracy and universalism: Variation across country-age-cohorts

	Dependent variable: Universalism						
	Composite			Domestic		Foreign	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Lifetime average democracy score	0.38*** (0.10)	0.38*** (0.10)	0.34*** (0.10)	0.42*** (0.11)	0.41*** (0.11)	0.30** (0.13)	0.21 (0.13)
Lifetime average log GDP p/c		1.46 (0.90)	1.11 (0.94)	-0.07 (0.93)	-0.38 (0.97)	2.56** (1.21)	2.07* (1.26)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Age FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Demographic controls	No	No	Yes	No	Yes	No	Yes
Adjusted R^2	0.09	0.09	0.09	0.06	0.06	0.09	0.10
Observations	55323	55323	53826	54867	53391	53765	52332

Notes. OLS estimates of universalism on democracy exposure with robust standard errors, clustered at the level of 3,468 country-age cells. Exposure to democracy is constructed by taking the mean of the Democracy score time series in the Polity V database over the respondent's lifetime. Demographic controls include gender, income quintile fixed effects, college degree and an indicator for whether an individual lives in a big city. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

in the data are excluded from the analysis. We note that this migrant analysis has less power than the cohort analysis above because of a lower number of observations (2,741 migrants vs. 53,639 respondents).

Table 3 summarizes the results, which are broadly similar to those from the analysis across age cohorts: exposure to democracy is positively linked to universalism. We find a strong positive relationship between domestic universalism and democracy, while there is no significant effect for foreign universalism. Overall, we view these combined results from the cross-country, cross-cohort and cross-migrant analyses as suggestive evidence that experience with democracy leads to higher universalism. One interpretation of the slightly stronger results in the domestic domain is that democracy may shape more strongly how people think about domestic group divisions because living in a democracy vs. autocracy arguably primarily matters for interactions with fellow citizens rather than foreigners. Indeed, Rawls (1993) argued that a fair basic structure in society creates moral obligations towards compatriots but not towards foreigners.

Table 3: Exposure to democracy and universalism: Variation across migrants

	Dependent variable: Universalism						
	Composite			Domestic		Foreign	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Democracy score in home country	0.20*	0.28**	0.26*	0.45***	0.44***	0.10	0.05
	(0.10)	(0.13)	(0.14)	(0.14)	(0.14)	(0.18)	(0.18)
Log GDP p/c in home country		-0.20	-0.30	-0.40	-0.59	-0.38	-0.37
		(0.54)	(0.55)	(0.51)	(0.52)	(0.73)	(0.75)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Age FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Demographic controls	No	No	Yes	No	Yes	No	Yes
Adjusted R^2	0.07	0.07	0.07	0.05	0.06	0.06	0.06
Observations	2741	2451	2412	2424	2387	2398	2363

Notes. OLS estimates of universalism on democracy in a migrant's country of origin. Standard errors are clustered at the level of 151 countries of origin. Demographic controls include gender, income quintile fixed effects, college degree and an indicator for whether an individual lives in a big city.

* $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

8 Decomposing Cross-Group Differences

The extant literature on universalism vs. in-group favoritism focuses on people's distributive behavior. Yet, as is well-known in the literature on distributive preferences, variation in observed behavior can often be decomposed into what people deem the morally right thing to do (their *moral views*) and what they personally prefer. To take a simple example, it is conceivable that in treatment *Baseline*, people believe that the morally right thing to do would be to split the money equally, but that they actually share more with their in-group members because they care more about them. As a result, it is a priori unclear whether cross-group differences (across demographic groups or countries) reflect differences in moral views or group-specific altruism weights.

To study this, we also implemented treatment *Moral*, in which respondents were asked to do what they consider morally right. As discussed in Section 3, behavior in the two treatments is very similar to each other in the global sample as a whole. This means that (i) universalistic behavior largely reflects moral universalism and (ii) that deviations from universalistic behavior largely reflect that people have the moral view that they have specific obligations to their in-group. Yet, while a large majority of the heterogeneity in our dataset reflects moral views, this is not true for all cross-group differences. To document this, we here present a decomposition exercise that decomposes differences across different groups (such as demographic groups or countries) into dif-

ferences in moral views and differences in altruism weights.

The idea is that if demographic differences in treatment *Moral* are exactly as large as those in *Baseline*, then the entirety of cross-group differences is attributable to moral views. If, on the other hand, differences in *Moral* are smaller, then a part of the demographic differences reflects differences in group-specific altruism weights, rather than in moral views. Online Appendix F presents a simple formal model that motivates this analysis.

Decomposing differences across demographic groups. As shown in Section 5, the most pronounced and consistent demographic differences are that older people and men are less universalist. Do these differences reflect that men vs. women and young vs. old people have different moral views or that they have different altruism weights for different social groups? Table 4 summarizes the results of regressions that link composite universalism to (i) demographics; (ii) a treatment indicator and (iii) their interaction. Columns (1) and (2) show the age and gender difference in universalism in treatment *Baseline*. Columns (3) and (4) show that these differences are also statistically highly significant and quantitatively large in treatment *Moral*, which provides evidence for an important role of moral views in explaining these cross-group differences. In columns (5) and (6), we report the regressions for the pooled sample allowing for an interaction effect for the treatment. The estimated interaction effect identifies whether cross-group differences partly reflect differences in altruism weights or only differences in moral views. We observe in column (1) that the difference in the behavior of people below and above median age is -2.3, and from (3) that the difference in moral views between these groups is -1.55. This implies that the difference in the treatment effect is 0.75, as shown in column (5). Hence, the regression estimates suggest that about 70% of the age difference in universalistic behavior reflects that older people have less universalistic moral views, and that about 30% of the difference reflects that older people have less universalistic altruism weights. This decomposition is quantitatively almost identical for the gender difference.

The role of moral views for cross-country differences. The cross-country differences exposed in Sections 4 and 7.1 almost entirely reflect heterogeneity in moral views. To illustrate, consider the most (Ethiopia) and the least (China) universalist country in our sample. Again using eq. (5), we compute that 95% of the difference between these two countries in *Baseline* are driven by the treatment difference in *Moral* (moral views) and 5% by heterogeneous treatment effects. More generally, at the country level, the correlation between composite universalism as separately computed from subjects in *Baseline* and *Moral* is $r = 0.96$, which again suggests that differences in universalistic

Table 4: Decomposition of demographic differences in universalism

	Dependent variable: Composite Universalism					
	Baseline		Moral		Full sample	
	(1)	(2)	(3)	(4)	(5)	(6)
Above median age	-2.30*** (0.21)	-2.31*** (0.22)	-1.55*** (0.22)	-1.58*** (0.22)	-2.30*** (0.21)	-2.31*** (0.22)
Male	-2.44*** (0.22)	-2.46*** (0.23)	-1.72*** (0.21)	-1.62*** (0.21)	-2.39*** (0.22)	-2.39*** (0.23)
<i>Moral</i>					-0.14 (0.22)	-0.18 (0.22)
Above median age \times Moral					0.75*** (0.26)	0.72*** (0.27)
Male \times Moral					0.62** (0.26)	0.71*** (0.27)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes
Demographic controls	No	Yes	No	Yes	No	Yes
Adjusted R^2	0.09	0.09	0.09	0.10	0.09	0.09
Observations	31670	30863	32118	31317	63788	62180

Notes. Individual-level OLS estimations of composite universalism on demographic variables and their interactions with an indicator for the *Moral* treatment. Standard errors (in parentheses) are clustered at the sampling unit level. Controls include college degree, urban residence, and income quintile fixed effects. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

behavior across countries largely reflect heterogeneous moral views.

9 Discussion and Outlook

This paper provides a comprehensive analysis of the global variation in universalism. By introducing a new large-scale dataset, the *Global Universalism Survey*, we document how universalism varies across societies and individuals, whether moral considerations underlie observed behavior, how universalism helps understand heterogeneity in political views and the social fabric of societies, and how experience with democracy may shape universalist attitudes.

A main takeaway of our global analysis is that moral universalism and polito-economic outcomes appear to be intertwined. On the one hand, we provide evidence across countries, across age cohorts and across migrants that experience with democracy may shape moral universalism. On the other hand, we also show that universalism is strongly predictive of people's social and economic policy views as well as the structure of a society's social fabric: which groups people trust, whether they help strangers and their degree of community attachment. These two sets of results suggest that political outcomes and moral universalism co-evolve.

While this paper has made some first attempts to illuminate demographic and cultural differences in universalism, we speculate that the existence of the *GUS* dataset opens up the possibility for an entire research agenda on the correlates, determinants and consequences of variation in universalism. Many research questions that were previously out of reach due to data limitations can now be tackled, including a broader investigation of how the prevalence of universalism interacts and co-evolves with political and economic institutions, how it is shaped by ecological and climatic conditions, and which individual-level behaviors and outcomes may depend on heterogeneity in moral views.

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ONLINE APPENDIX

A Details on *Global Universalism Survey*

A.1 Background on Gallup World Poll and Sampling Procedures

A.1.1 Data collection – Infrastructure and Selection of Countries

We implemented the “Global Universalism Survey” module as part of the 2020 wave of the Gallup World Poll. The Gallup World Poll is a probability based and nationally representative sample of the resident adult (aged 15 and older) population. The World Poll has been conducted nearly every year since 2005 through a global survey infrastructure that consists of a network of vendors.

Our survey module was implemented in 60 countries, with a median of 1,000 respondents in each country and a total of 66,233 respondents in all (63,788 of which answered at least one of our universalism questions). The countries were chosen to maximize the global representativeness of our sample. Interviews were mostly conducted over the phone, except in India and Pakistan where the interviews were face-to-face. The surveys were conducted between October 2020 and February 2021. Appendix Table A.1 contains the details of how and when the survey was conducted in each country.

A.1.2 Sampling

In countries where interviews are conducted by telephone, Gallup uses random-digit-dialing (RDD) or a nationally representative list of phone numbers. Gallup typically uses a dual sampling frame based on landline and mobile telephone numbers. In some countries, the sampling frame is mobile telephone only (for example, Libya and Finland). The split between landline and mobile is based on country-specific information from past surveys or other secondary data. One person, drawn at random, was interviewed in each sampled household through Gallup’s network of survey providers. For respondents contacted by landline telephone, the interviewee was selected (among eligible respondents aged 15 and older) either by identifying the household member with the next upcoming birthday, or by using the interviewing program to randomly select an eligible household member. Mobile phone users were directly interviewed. According to the protocol, interviewers make several attempts to contact someone from a randomly identified household before moving on to another household.

Sampling in face-to-face interview countries occurs in three stages. First, depending on the granularity of the available population data, sampling units are constructed by either stratifying along population weights (if population information is available), or by

random sampling at the ward/village level. Next, the local survey vendors use a “random route procedure” to select a candidate household. Finally, an interviewee is selected from a list of household members by the computer program used to conduct and record the interviews. Similar to the telephone protocols, interviewers make several attempts to contact a selected household member before moving on to another household.

A.1.3 Sample Weights

Gallup provides probabilistic weights to make the survey data ex-post nationally representative. The weights are constructed to account for multiple sources of bias such as different household sizes, selection of primary sampling units, individuals owning both a landline and a mobile phone, and selection of telephone numbers from the respective frames. We use these weights to calculate the country-level averages of the universalism statistic and use this weighted mean in our country-level analyses.

A.1.4 Translation and Piloting

After the final survey instrument for the Universalism module was finalized in English, translations were made and tested in the field in four countries - Turkey, Brazil, Spain, and Kenya. These cognitive interviews tested the survey on a small sample of 10-20 persons with different income and education levels. The results from the field testing were used to refine the English version to improve comprehension for respondents. The final survey instrument was then translated into all the languages needed, and each translation was reviewed by native speakers of each language to ensure that the translations was comprehensible and that it matched the English version. Each translation was modified based on the research team’s feedback. Interviewers were instructed to follow the interview script without deviations. For some languages that are in use in more than one country, multiple translations into localized versions were made (such as Arabic, French, and Spanish).

Table A.1: Survey Details

Country	Dates	Number	Mode	Languages	Exceptions
Algeria	Nov 20 - Dec 9, 2020	1062	Landline and Mobile	Arabic	
Argentina	Dec 2, 2020 - Feb 23, 2021	1003	Landline and Mobile	Spanish	
Australia	Sep 21 - Nov 1, 2019	1000	Landline and Mobile	English	
Bangladesh	Dec 8 - Dec 20, 2020	1054	Mobile	Bengali	
Bolivia	Nov 24 - Dec 24, 2020	1000	Mobile	Spanish	
Brazil	Dec 2, 2020 - Jan 27, 2021	1003	Landline and Mobile	Portuguese	
Cambodia	Dec 25, 2020 - Jan 15, 2021	1000	Mobile	Khmer	
Cameroon	Nov 23 - Dec 19, 2020	1024	Mobile	French, English, Fulfulde	
Canada	Oct 13 - Nov 24, 2020	1010	Landline and Mobile	English, French	Yukon, Northwest Territories and Nunavut were excluded from the sample.
Chile	Dec 9, 2020 - Feb 24, 2021	1000	Landline and Mobile	Spanish	
China	Oct 28 - Dec 13, 2020	3502	Mobile	Chinese	Tibet was excluded from the sample. The excluded areas represent less than 1% of the population of China
Colombia	Nov 30, 2020 - Jan 27, 2021	1002	Landline and Mobile	Spanish	
Croatia	Nov 6 - Dec 2, 2020	1000	Landline and Mobile	Croatian	
Czech Republic	Dec 22, 2020 - Jan 25, 2021	1004	Landline and Mobile	Czech	
Ecuador	Dec 7, 2020 - Feb 11, 2021	1002	Landline and Mobile	Spanish	
Egypt	Dec 19 - Dec 30, 2020	1002	Landline and Mobile	Arabic	
Ethiopia	Dec 7 - Dec 31, 2020	1022	Mobile	Amharic, English, Oromo, Tigrinya	
France	Oct 19 - Nov 14, 2020	1000	Landline and Mobile	French	
Germany	Oct 19 - Nov 14, 2020	1000	Landline and Mobile	German	

Table A.1: Survey Details

Country	Dates	Number	Mode	Languages	Exceptions
Ghana	Dec 11 - Dec 31, 2020	1000	Mobile	English, Ewe, Twi, Hausa	
Greece	Dec 2 - Dec 30, 2020	1003	Landline and Mobile	Greek	
Hungary	Nov 25 - Dec 21, 2020	1002	Landline and Mobile	Hungarian	
India	Dec 26, 2020 - Feb 24, 2021	3300	Face-to-Face (HH)*	Assamese, Bengali, Gujarati, Hindi, Kannada, Malayalam, Marathi, Odia, Punjabi, Tamil, Telugu	Excluded population living in Northeast states and remote islands, and Jammu and Kashmir. The excluded areas represent less than 10% of the population.
Indonesia	Dec 4, 2020 - Jan 10, 2021	1011	Mobile	Bahasa Indonesia	
Iran	Nov 2 - Nov 8, 2020	1007	Landline and Mobile	Farsi	
Iraq	Jan 3 - Feb 28, 2021	1006	Mobile	Arabic, Kurdish	
Israel	Dec 19, 2020 - Jan 7, 2021	1059	Landline and Mobile	Hebrew, Arabic	
Italy	Nov 2 - Nov 25, 2020	1000	Landline and Mobile	Italian	
Japan	Oct 2 - Dec 3, 2020	1012	Landline and Mobile	Japanese	For landline RDD, excluded 12 municipalities near the nuclear power plant in Fukushima. These areas were designated as not-to-call districts due to the devastation from the 2011 disasters. The exclusion represents less than 1% of the population of Japan.
Jordan	Dec 21 - Dec 31, 2020	1005	Mobile	Arabic	
Kazakhstan	Dec 11 - Dec 25, 2020	1000	Mobile	Russian, Kazakh	

Table A.1: Survey Details

Country	Dates	Number	Mode	Languages	Exceptions
Kenya	Nov 13 - Nov 22, 2020	1000	Mobile	English, Swahili/Kishwahili	
Mexico	Nov 10 - Dec 20, 2020	1006	Landline and Mobile	Spanish	
Morocco	Dec 17, 2020 - Jan 6, 2021	1010	Landline and Mobile	Moroccan Arabic	
Netherlands	Oct 27 - Dec 19, 2020	1000	Landline and Mobile	Dutch	
Nigeria	Dec 9 - Dec 21, 2020	1019	Mobile	English, Hausa, Igbo, Pidgin English, Yoruba	
Norway	Oct 9 - Nov 9, 2020	1018	Landline and Mobile	Norwegian	
Pakistan	Jan 9 - Feb 5, 2021	1001	Face-to-Face (HH)*	Urdu	Did not include AJK, Gilgit-Baltistan. The excluded area represents approximately 5% of the population. Gender-matched sampling was used during the final stage of selection.
Peru	Nov 27, 2020 - Feb 4, 2021	1003	Landline and Mobile	Spanish	
Philippines	Nov 16 - Dec 19, 2020	1000	Landline and Mobile	Filipino, Iluko, Cebuano, Waray, Bicol	
Poland	Nov 20 - Dec 17, 2020	1002	Landline and Mobile	Polish	
Portugal	Nov 9 - Dec 10, 2020	1000	Landline and Mobile	Portuguese	
Russia	Dec 2, - Dec 28, 2020	2002	Mobile	Russian	
Senegal	Nov 4 - Nov 26, 2020	1017	Mobile	French, Wolof	
South Africa	Dec 14 - Dec 23, 2020	1001	Mobile	Afrikaans, English, Sotho, Xhosa, Zulu	

Table A.1: Survey Details

Country	Dates	Number	Mode	Languages	Exceptions
South Korea	Dec 12, 2020 - Jan 11, 2021	1005	Landline and Mobile	Korean	
Spain	Oct 19 - Nov 12, 2020	1000	Landline and Mobile	Spanish	
Sri Lanka	Dec 7, 2020 - Jan 31, 2021	1013	Mobile	Sinhala, Tamil	
Switzerland	Oct 19 - Nov 17, 2020	1000	Landline and Mobile	French, German, Italian	
Tanzania	Dec 15 - Dec 24, 2020	1000	Mobile	Swahili, Kishwahili	
Thailand	Dec 13, 2020 - Jan 25, 2021	1000	Mobile	Thai	
Turkey	Dec 18 - Dec 29, 2020	1000	Landline and Mobile	Turkish	
Uganda	Dec 18 - Dec 28, 2020	1000	Mobile	Ateso, English, Luganda, Runyankole	
Ukraine	Nov 26 - Dec 6, 2020	1006	Landline and Mobile	Russian, Ukrainian	
United Kingdom	Nov 2 - Nov 27, 2020	1000	Landline and Mobile	English	
United States	Oct 14 - Dec 8, 2020	1008	Landline and Mobile	English, Spanish	
Venezuela	Dec 10, 2020 - Jan 24, 2021	1020	Landline and Mobile	Spanish	
Vietnam	Dec 6 - Dec 20, 2020	1000	Mobile	Vietnamese	
Zambia	Dec 14, 2020 - Jan 20, 2021	1005	Mobile	Bemba, English, Lozi, Nyanja, Tonga	
Zimbabwe	Dec 14 - Dec 26, 2020	1002	Mobile	English, Shona, Ndebele	

A.2 Survey Questions

Each respondent is randomized into treatment *Baseline* or *Moral*, where the latter treatment was split evenly between two different sub-treatments. Each respondent in *Baseline* answers two randomly selected questions out of A-1 through A-5. Each respondent in *Moral* answers two randomly selected questions out of B-1 through B-5. Each respondent in a subtreatment of *Moral*, which we will here call *Deserving*, answers two randomly selected questions out of C-1 through C-5. In addition, each respondent answers A-6 / B-6 / C-6. Responses to these questions are either A. a currency value, B. "Do not know", or C. "Refused to answer". After each question, the interviewer repeats the response and asks for confirmation from the respondent.

Finally, all respondents answer two randomly selected questions out of D-1 through D-6. Responses to these questions are coded as either A. a value from 1 to 4 (with 1 indicating "Strongly agree" and 4 "Strongly disagree"), B. "Do not Know", or C. "Refused".

Treatment Baseline. Suppose you have earned \$1,000, but you have to give away the money to two other people. You can't keep any of the money for yourself. Assume that these two people have the same standard of living.

A-1. How much of your \$1,000 would you give to a person in your family, if the rest goes to a random stranger from (COUNTRY NAME)?

This means that you would give [VALUE FROM A-1] to a person in your family and [1,000 MINUS VALUE FROM A-1] to a random stranger from (COUNTRY NAME). Is this correct? → if No, repeat A-1.

All subsequent questions follow this same logic, whereby the interviewer verifies participant responses through a follow-up question.

A-2. How much of your \$1,000 would you give to a friend of yours, if the rest goes to a random stranger from (COUNTRY NAME)?

A-3. How much of your \$1,000 would you give to a person who lives in your neighborhood, if the rest goes to a random stranger from (COUNTRY NAME)?

A-4. How much of your \$1,000 would you give to a person who shares your religious beliefs, if the rest goes to a random stranger from (COUNTRY NAME)?

A-5. How much of your \$1,000 would you give to a person who shares your ethnic background, if the rest goes to a random stranger from (COUNTRY NAME)?

A-6. Suppose now that the two people are someone from (COUNTRY NAME) and someone from anywhere in the world. Again, assume that these two people have the same living standard. How much of your \$1,000 would you give to a random stranger from (COUNTRY NAME), if the rest goes to a random stranger from anywhere in the world?

Treatment Moral. Suppose you have earned \$1,000, but you have to give away the money to two other people. You can't keep any of the money for yourself. Assume that these two people have the same living standard.

B-1. If you were to do what you think is morally right, then how much of your \$1,000 would you give to a person in your family, if the rest goes to a random stranger from (COUNTRY NAME)?

B-2. If you were to do what you think is morally right, then how much of your \$1,000 would you give to a friend of yours, if the rest goes to a random stranger from (COUNTRY NAME)?

B-3. If you were to do what you think is morally right, then how much of your \$1,000 would you give to a person who lives in your neighborhood, if the rest goes to a random stranger from (COUNTRY NAME)?

B-4. If you were to do what you think is morally right, then how much of your \$1,000 would you give to a person who shares your religious beliefs, if the rest goes to a random stranger from (COUNTRY NAME)?

B-5. If you were to do what you think is morally right, then how much of your \$1,000 would you give to a person who shares your ethnic background, if the rest goes to a random stranger from (COUNTRY NAME)?

B-6. Suppose now that the two people are someone from (COUNTRY NAME) and someone from anywhere in the world. Again, assume that these two people have the same living standard. If you were to do what you think is morally right, then how much of your \$1,000 would you give to a random stranger from (COUNTRY NAME), if the rest goes to a random stranger from anywhere in the world?

Treatment Deserving (sub-treatment of Moral and pooled with Moral in all analyses). Suppose you have earned \$1,000, but you have to give away the money to two other people. You can't keep any of the money for yourself. Assume that these two people are equally good people and have the same living standard.

C-1 through C-6: Same questions as B-1 through B-6.

Political Questions. We are now going to read a number of statements. In each case, we want you to say whether you Strongly Agree, Somewhat Agree, Somewhat Disagree, Strongly Disagree.

D-1. There are too many immigrants in the area you live in.

D-2. There are too many immigrants in (country).

D-3. The national government should focus on helping the poor in (country), rather than the poor elsewhere in the world.

D-4. The national government should focus on protecting the environment in (country), rather than protecting the global environment.

D-5. The national government should focus on having a strong military.

D-6. The national government should aim to reduce the economic differences between the rich and the poor in (country).

A.3 Main Covariates, Country Classifications and SE Clustering

A.3.1 Demographic Variables

Many of the analyses in the paper use demographic information to study heterogeneity or simply to control for variation driven by demographic characteristics. Below, we document how these variables are constructed.

Age (and age-squared): Continuous variables, recorded at the individual level in the survey.

Above Median Age: An indicator which is 1 if an individual is older than the country median age.

Religiosity: An indicator which is 1 if the respondent answers the question "What is your religion" with anything other than "Secular/Atheist/Non-religious/Agnostic".

Religiosity - alternate measure: An indicator which is 1 if the respondent answers "Yes" to the question "Is religion an important part of your daily life".

Income: The income quintile relative to other respondents from the same country. In some of our analyses, we use an indicator that is 1 if the individual is in the top 2 income quintiles (i.e. top 40%).

Urban: An indicator that is 1 if the respondent indicates that they live in a large city.

Other levels in the base variable are: rural area, small town/village, and suburbs.

Education: An indicator that is 1 if the respondent indicates that they have "Completed 4 years of education beyond high school and/or received a 4-year college degree".

Gender: Gallup codes all respondents as either male or female. We use an indicator = 1 if the respondent is male in our analyses.

A.3.2 Country Classification

Income levels. We use the World Bank's income classification schemes as one way of dividing countries into economically meaningful groups. The World Bank classifies countries as "High Income", "Middle Income" and "Low Income". We code an indicator *highincome* = 1 if a country is highincome, and 0 otherwise. The countries are: Australia, Canada, Switzerland, Spain, Germany, France, United Kingdom, Greece, USA,

Netherlands, Norway, Portugal, Italy, Czech Republic, Croatia, Hungary, Israel, Japan, South Korea and Poland.

WEIRD countries. In many of our analyses we study differences between "Western, Educated, Industrialized, Rich, and Democratic", i.e. WEIRD and non-WEIRD countries. We use the Maddison Project Database (MPD) to create an indicator $weird = 1$ if a country is in the "Western Europe" or "Western Offshoots" country groups in the MPD. The countries are: Australia, Canada, Switzerland, Spain, Germany, France, United Kingdom, Greece, USA, Netherlands, Norway, Portugal, and Italy.

Non-WEIRD and High Income countries. These are: Chile, Czech Republic, Croatia, Hungary, Israel, Japan, South Korea, Poland.

Low and Middle Income countries. These are: Argentina, Bangladesh, Bolivia, Brazil, China, Cameroon, Colombia, Algeria, Ecuador, Egypt, Ethiopia, Ghana, Indonesia, India, Iran, Iraq, Jordan, Kazakhstan, Kenya, Cambodia, SriLanka, Morocco, Mexico, Nigeria, Pakistan, Peru, Philippines, Russia, Senegal, Thailand, Turkey, Tanzania, Uganda, Ukraine, Venezuela, Vietnam, South Africa, Zambia, Zimbabwe.

A.3.3 Standard Errors

The individual level analyses presented in this paper are clustered by 530 "primary sampling units". These are essentially survey strata. In countries where telephonic interviews are conducted, these represent mobile providers (countries where landlines are a part of the sampling frame may have an additional regional component to the phone provider). In countries where face-to-face interviews are conducted, these represent administrative regions, split by urbanicity.

A.4 Sample Overview

Table A.2 provides an overview of the samples in each country. We provide the number of observations, fraction female, fraction religious, fraction living in a city, fraction having a college degree, median age and number of interview languages used.

A.5 Monetary Amounts Used in the Survey

We calculate the ratio of the PPP-adjusted GDP per capita of each country to the GDP of the United States using the latest available data from the World Bank WDI Database. We use the latest available exchange rate before the cutoff dates for the finalisation of the

survey instruments. In the interest of simplicity consistency, we round down the amount from this conversion process to the first digit. Table A.3 lists the local currency amounts used in each country.

Table A.2: Sample overview

	Obs.	Female %	Religious %	City %	College %	Median age	Languages
Algeria	1048	.43	1	.51	.26	36	1
Argentina	978	.46	.83	.45	.22	43	1
Australia	965	.52	.68	.069	.42	63	1
Bangladesh	920	.39	1	.4	.15	26	1
Bolivia	922	.49	.98	.36	.25	31	1
Brazil	972	.5	.88	.5	.28	38	1
Cambodia	969	.43	1	.26	.28	32	1
Cameroon	1013	.51	.99	.48	.18	27	3
Canada	992	.54	.67	.34	.42	55	2
Chile	984	.59	.91	.52	.37	43	1
China	3410	.34	.	.34	.3	31	1
Colombia	997	.56	.88	.42	.19	34	1
Croatia	935	.62	.88	.38	.44	46	1
Czech Republic	982	.59	.32	.38	.29	46	1
Ecuador	921	.55	.94	.33	.19	32	1
Egypt	991	.45	1	.52	.31	33	1
Ethiopia	1021	.43	1	.61	.34	30	4
France	995	.51	.68	.24	.29	49	1
Germany	991	.48	.67	.35	.26	55	1
Ghana	989	.38	.99	.36	.26	27	3
Greece	1001	.45	.87	.45	.57	45	1
Hungary	968	.53	.82	.39	.45	48	1
India	2801	.47	1	.12	.089	32	11
Indonesia	904	.43	1	.21	.23	31	1
Iran	995	.49	.99	.53	.28	38	1
Iraq	988	.38	1	.53	.18	30	2
Israel	1055	.47	.99	.77	.36	45	2
Italy	997	.49	.84	.29	.27	53	1
Japan	983	.41	.34	.2	.35	59	1
Jordan	1001	.46	1	.48	.25	33	1
Kazakhstan	848	.52	.98	.57	.4	35	2
Kenya	996	.47	1	.14	.23	27	2
Mexico	941	.47	.89	.38	.35	38	1
Morocco	986	.43	.	.55	.13	32	1
Netherlands	980	.44	.48	.22	.54	57	1
Nigeria	1014	.43	1	.48	.05	30	5
Norway	1004	.48	.71	.21	.59	57	1
Pakistan	983	.5	.99	.26	.053	32	1
Peru	982	.48	.92	.46	.27	34	1
Philippines	1000	.57	1	.25	.19	31	5
Poland	972	.51	.85	.46	.6	46	1
Portugal	947	.55	.79	.23	.36	43	1
Russia	1980	.53	.81	.44	.5	40	1
Senegal	1011	.52	1	.42	.058	28	2
South Africa	1000	.58	.98	.2	.067	29	5
South Korea	999	.39	.47	.45	.4	53	1
Spain	996	.54	.75	.32	.13	48	1
Sri Lanka	930	.44	1	.084	.024	37	2
Switzerland	994	.53	.8	.15	.56	51	3
Tanzania	996	.45	1	.38	.15	29	1
Thailand	925	.55	.97	.36	.6	38	1
Turkey	952	.54	.99	.74	.29	28	1
Uganda	958	.42	1	.16	.039	26	3
Ukraine	955	.53	.89	.45	.57	38	2
United Kingdom	988	.46	.71	.21	.59	51	1
United States	1002	.47	.82	.2	.48	56	2
Venezuela	993	.55	.94	.32	.32	36	1
Vietnam	764	.41	.49	.58	.58	31	1
Zambia	1005	.48	1	.2	.3	26	5
Zimbabwe	999	.52	.98	.094	.14	31	3

Notes. Descriptive statistics for the respondent pool in each country.

Table A.3: Local currency amounts

Countries	Country code	Currency code	Local Currency Amount
Algeria	DZA	DZD	30,000
Argentina	ARG	ARS	20,000
Australia	AUS	AUD	1,000
Bangladesh	BGD	BDT	6,000
Bolivia	BOL	BOB	900
Brazil	BRA	BRL	1,000
Cambodia	KHM	KHR	300,000
Cameroon	CMR	XAF	40,000
Canada	CAN	CAD	1,000
Chile	CHL	CLP	300,000
China	CHN	CNY	2,000
Colombia	COL	COP	800,000
Croatia	HRV	HRK	3,000
Czech Republic	CZE	CZK	10,000
Ecuador	ECU	USD	200
Egypt	EGY	EGP	3,000
Ethiopia	ETH	ETB	900
France	FRA	EUR	700
Germany	DEU	EUR	800
Ghana	GHA	GHS	400
Greece	GRC	EUR	400
Hungary	HUN	HUF	100,000
India	IND	INR	9,000
Indonesia	IDN	IDR	3,000,000
Iran	IRN	IRR (toman)	1,000,000
Iraq	IRQ	IRD	300000
Israel	ISR	ILS	2,000
Italy	ITA	EUR	600
Japan	JPN	JPY	70,000
Jordan	JOR	JOD	100
Kazakhstan	KAZ	KZT	200,000
Kenya	KEN	KES	6,000
Mexico	MEX	MXN	6,000
Morocco	MAR	MAD	1,000
Netherlands	NLD	EUR	800
Nigeria	NGA	NGN	30,000
Norway	NOR	NOK	10,000
Pakistan	PAK	PKR	10,000
Peru	PER	PEN	800
Philippines	PHL	PHP	7,000
Poland	POL	PLN	2000
Portugal	PRT	EUR	500
Russia	RUS	RUB	30,000
Senegal	SEN	XOF	40000
South Africa	ZAF	ZAR	3,000
South Korea	KOR	KRW	700,000
Spain	ESP	EUR	600
Sri Lanka	LKA	LKR	40,000
Switzerland	CHE	CHF	1,000
Tanzania	TZA	TZS	100,000
Thailand	THA	THB	9,000
Turkey	TUR	TRY	3,000
Uganda	UGA	UGX	100,000
Ukraine	UKR	UAH	4,000
United Kingdom	GBR	GBP	600
USA	USA	USD	1,000
Venezuela	VEN	VES	50,000,000
Vietnam	VNM	VND	3,000,000
Zambia	ZMB	ZMW	900
Zimbabwe	ZWE	USD	50

Notes. Local currency amounts used in each country. The amounts are generated by scaling 1000 USD in the ratio of each country's GDP (PPP per capita) to US GDP, multiplying by the exchange rate and then rounding down to the first digit.

A.6 Data Considerations

Number of observations and questions. The data from Gallup contains 66,233 respondents from which we are able to use 63,788 respondents.

The biggest cause of lost observations are cases where responses to allocation questions are coded as "Don't Know" or "Refused to answer" (2,427 observations). These instances are not randomly distributed and are more frequent in some country-language combinations than in others. For example, nearly 50% of the respondents in Vietnam do not answer one or more allocation question.

Next, the survey protocol has a confirmation step in each allocation decision question. 647 allocations are "unconfirmed", of which more than half are from India. We have chosen to ignore this step of the protocol and include the "unconfirmed" allocations in the interest of maximizing the number of observations. Finally, we drop 18 respondents from Pakistan because none of the questions in our module were recorded.

In our final sample of 63,788, 7.5% of respondents have at least one allocation question missing. In those cases, we compute the summary statistics based on fewer questions. When either only domestic or only foreign universalism is available, we use this measure also for composite universalism.

Recording Errors. The raw data set contains 1,828 allocation decisions which we suspect have been incorrectly recorded and have attempted to correct. These fall into two categories. First, some allocation decisions recorded in Bangladesh, Uganda, Cambodia and Iraq clearly have allocation amounts with an incorrect number of zeroes – for example, an allocation decision of 6000:4000 was recorded as 6:4 in many Bangladeshi records. In these cases, we preserve the base information and adjust our universalism calculations to account for this problem.

Second, some observations in France, Germany, Italy, Spain, Switzerland and the United Kingdom were incorrect in that the sum of the recorded allocations for the in- and out-groups did not add up to the allocation budget. For example, if the total amount to be allocated was 1000, then in some cases the sum of the in- and out-group allocations was less than 1000. We attributed this to a recording error as enumerators make a manual calculation when they record the amount allocated to the stranger (after soliciting the in-group allocation from respondents). We apply a correction to these allocations by preserving the in-group allocation as-is, and scaling the out-group allocation to match the total amount.

Missing questions. The survey questions on allocation to co-ethnics and attitudes on government policies were not asked in China due to local restrictions on data collection

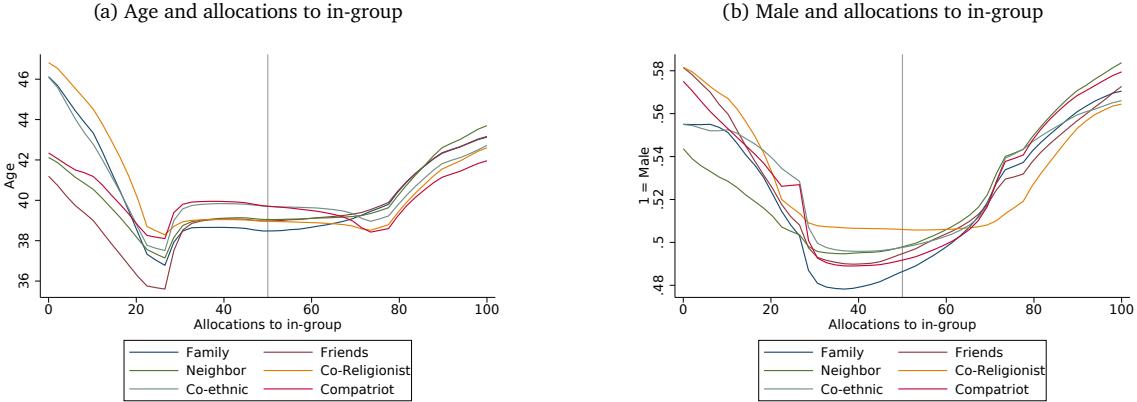


Figure A.1: Local polynomial regression plots of demographics (age, gender) on allocation decisions. The figures reveal a “flipping” pattern where, for example, age is positively correlated with in-group allocations for in-group allocations ≥ 50 but negatively for in-group allocations ≤ 50 .

or other issues beyond the control of the survey collection agency. These questions were replaced with other equivalent allocation decision or political view question.

A.7 Recoding of Some Allocation Decisions

20,338 out of 184,950 (11%) of all allocations in our data give strictly more to the stranger than the in-group member. In principle, it is of course perfectly plausible that a respondent wishes to allocate more money to a stranger than to e.g. someone from their neighborhood. Yet, 4.5% of respondents allocated more money to the stranger than to the in-group member in *all* questions, and various pieces of evidence strongly suggest that these cases reflect mistakes, confusion or systematic misrecordings by the enumerator. There are three such pieces of evidence:

1. A first piece of evidence is that the correlation between allocation decisions and demographics like age and gender *exactly flips* around 50%. For example, within the set of allocation decisions that allocate at least 50% to the in-group member, the correlation between in-group allocations and age is $\rho = 0.071$, suggesting that younger people are more universalist. Yet, within the set of allocation decisions that allocate at least 50% to the out-group member, the correlation between in-group allocations and age is $\rho = -0.045$, suggesting that older people are more universalist. An almost identical “flipping” pattern holds for gender, see Figure A.1. We interpret this as suggesting that an allocation of e.g. 80% to the stranger often reflects an intended allocation of 80% to the in-group.
2. A second piece of evidence is that the occurrence of the pattern that a respondent allocates more money to the stranger in *all* questions is predictably correlated with

Table A.4: Relationship between low in-group allocations and demographic variables.

	<i>Dependent variable:</i> 1 if all in-group allocations < 50%			
	(1)	(2)	(3)	(4)
Above med. age	0.011*** (0.002)			0.011*** (0.002)
College education		-0.008*** (0.002)		-0.005*** (0.002)
Top 40 income			-0.009*** (0.002)	-0.008*** (0.002)
Country FE	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes
Adjusted R^2	0.081	0.081	0.081	0.082
Observations	63788	63423	63788	63423

Notes. OLS results from regressing an indicator of whether an allocation to the out-group is more than 50 on indicators for whether an individual is above median age (1), college educated (2), is in the top 40% of income in the country, controlling for country and treatment fixed effects. Standard errors are heteroscedasticity robust.

individual demographics that plausibly proxy for lower cognitive skills, such as low education, low income and high age, see Table A.4.

3. A third piece of evidence is that the occurrence of in-group allocations of less than 50% is concentrated in certain survey strata. Figure A.2 shows a histogram of the fraction of decisions in a given survey stratum that allocate strictly less than 50% to the in-group. The figure shows that for the vast majority of survey strata this fraction is relatively small, but for some it is very large. This suggests either systematic misrecordings by the enumerators, language barriers or other structural problems.

These patterns suggest a tradeoff. On the one hand, we do not desire to leave the reader with the impression that we arbitrarily recode individual observations to “manufacture” certain results, in particular because our pre-analysis plan did not foreshadow such a procedure. On the other hand, we anticipate that this rich dataset may be used more widely by the research community going forward, and we feel it is incumbent upon us to suggest the most productive way to interpret and code the data. As a result, we opt for a balanced strategy. We recode allocations to the in-group of $x < 50\%$ as $100\% - x$ if and only if two arguably conservative criteria were satisfied: the respondent in question allocates (i) weakly more than 50% to the stranger in *all* questions and (ii) strictly more than 50% to the stranger in at least half of all decisions (which in practice usually means at least two out of three).

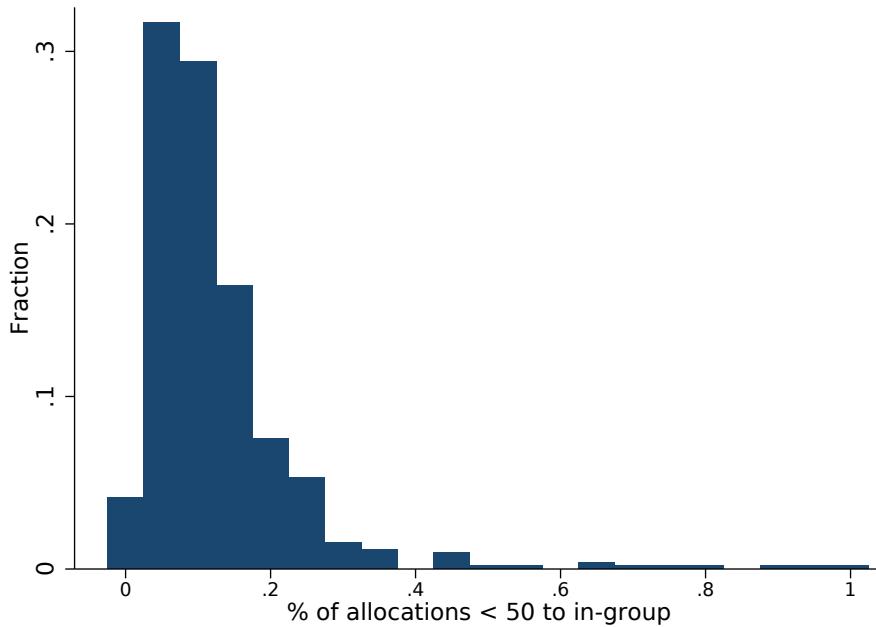


Figure A.2: Histogram showing the distribution of the fraction of allocations that are less than 50 to the in-group within each survey strata. The figure shows that a few survey strata seem to have a large number of these allocations.

This procedure affects 4,328 respondents and 10,318 allocation decisions. To illustrate how conservative this recoding procedure is, consider the distribution of universalism (before recoding) for the observations that we recode (Appendix Figure A.3). For example, the top right panel shows the distribution of the unadjusted composite universalism measure in the subset of respondents for which at least one of the respondent's allocation decisions get recoded. The main takeaway is that the universalism scores that we recode are often *very* extreme. In fact, the modal individual has an unadjusted composite universalism score of 100, meaning that the modal individual for whom we recode at least one decision allocates the entire budget to the socially more distant individual in all decisions.

For transparency, Appendix A.7 replicates all results in this paper using the original coding, with similar results. Also for transparency, our published dataset will include both the recoded and the original allocation decisions.

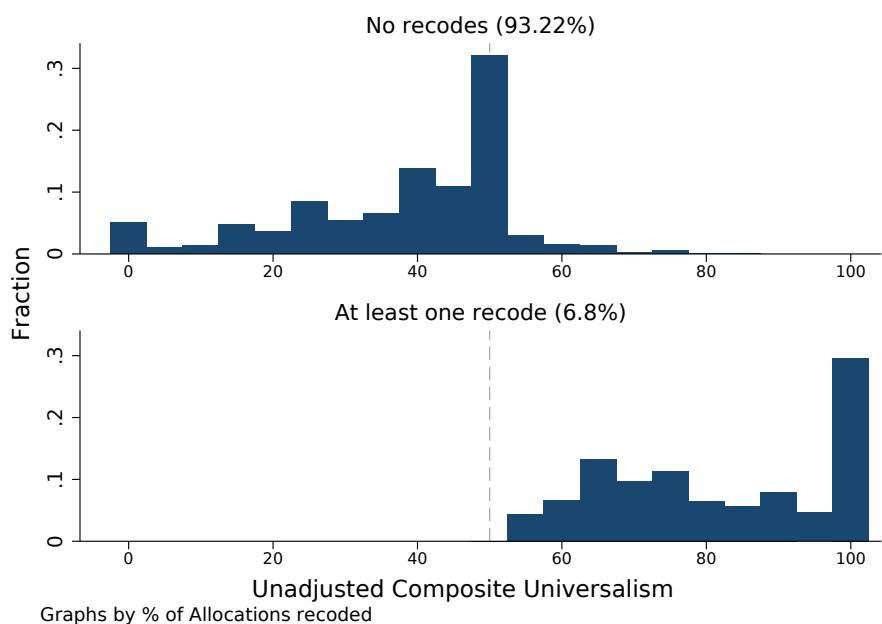


Figure A.3: Universalism patterns in recoded observations. Each panel shows the distribution of the *unadjusted* composite universalism statistic, as a function of whether or not we eventually recode at least one of the respondent's allocation decisions.

B Additional Figures

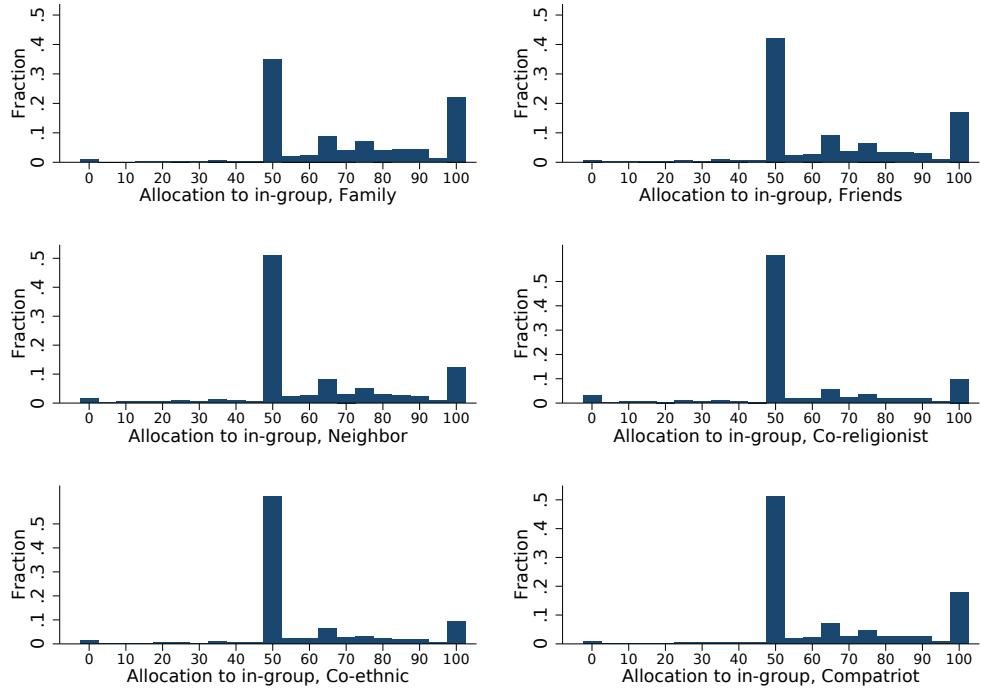


Figure B.1: Histograms of allocations to the in-group across the six survey questions, pooled across treatments. The number of allocations ranges from 23,073 to 25,360 in the first 5 panels. The last panel shows the histogram of 61,753 allocations.

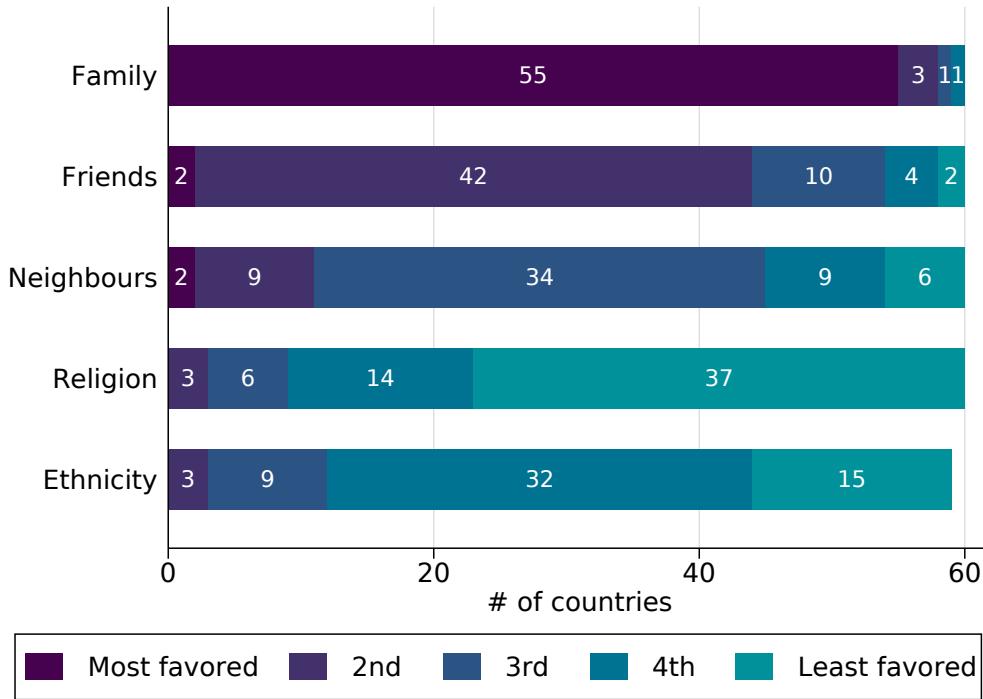


Figure B.2: “Ranking” of in-groups across countries implied by the allocation decisions, pooled across treatments, excluding the Compatriot-Foreigner allocation question. Each section of a bar represents a rank (1 to 5, 1 being the most favored) for that in-group. The size of each section is proportional to the number of countries that assign that rank to the in-group.

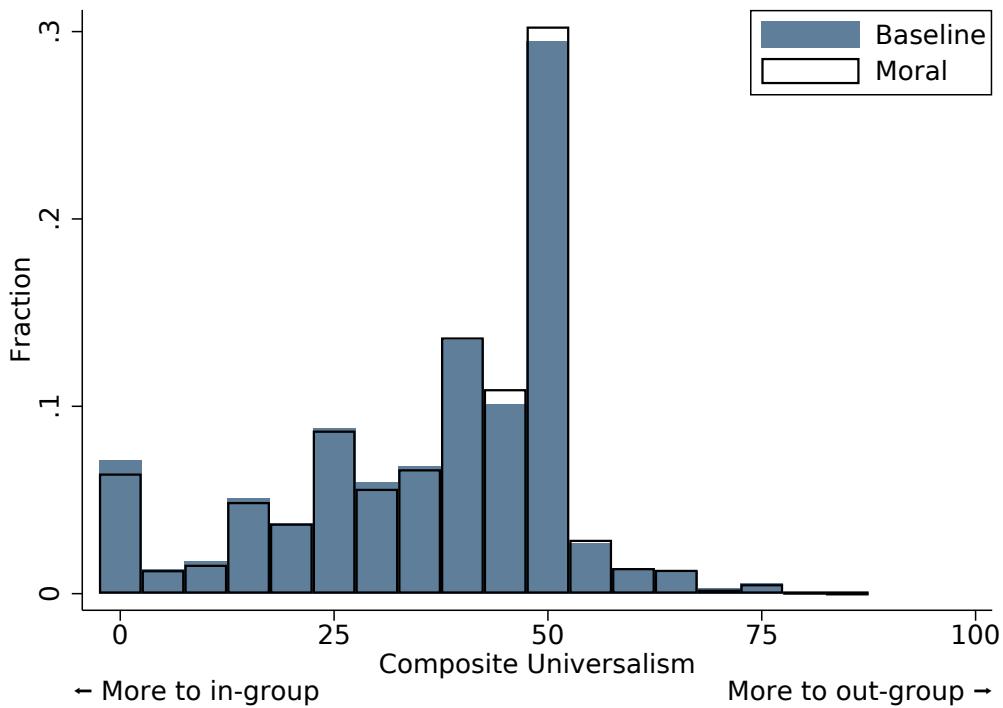


Figure B.3: Distribution of composite universalism across individuals, split by treatment (*Baseline* and *Moral*), $N = 31,670$ and $32,118$ respectively.

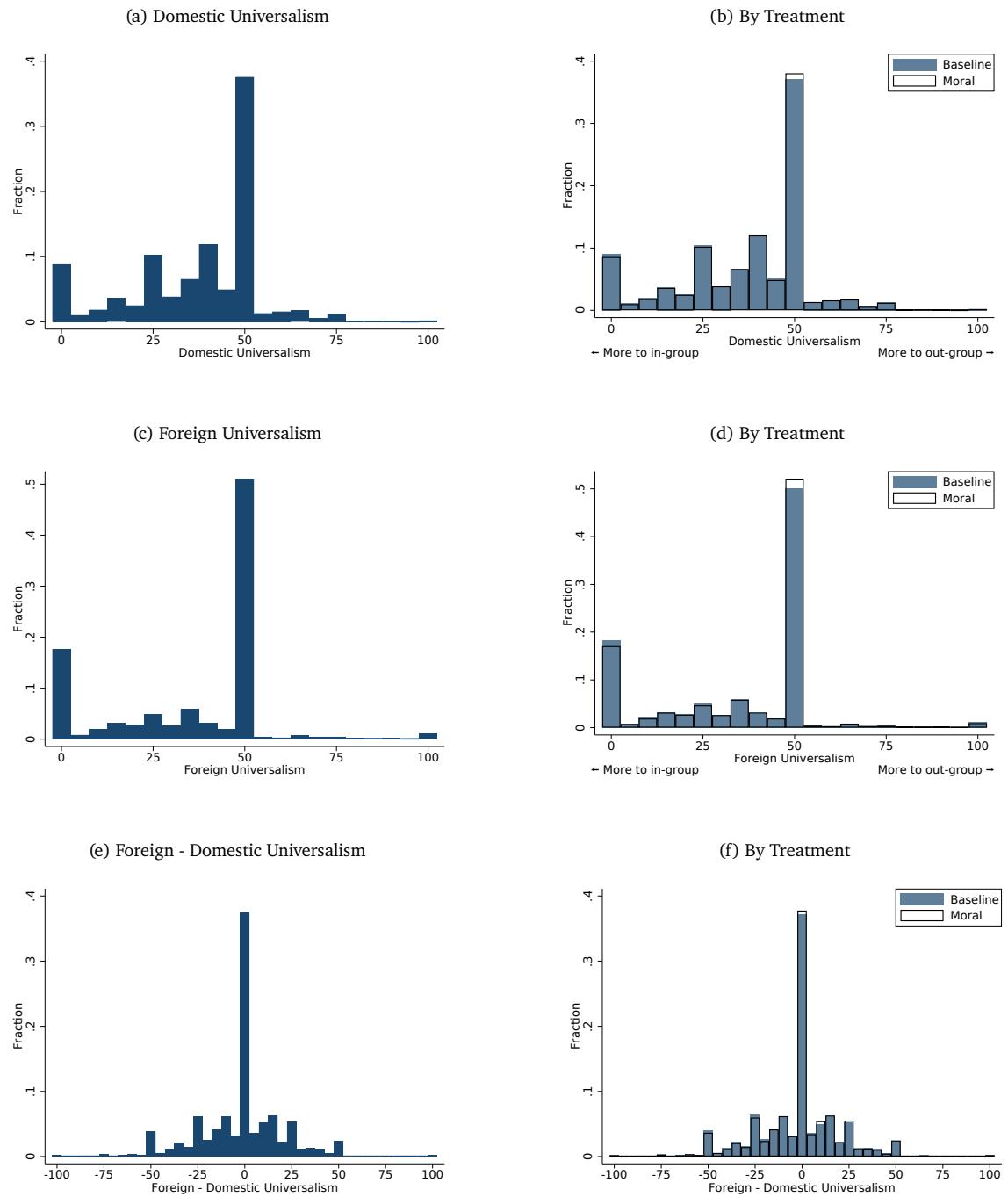


Figure B.4: Distribution of domestic, foreign and foreign - domestic universalism across individuals, separately by treatment (Baseline and Moral).

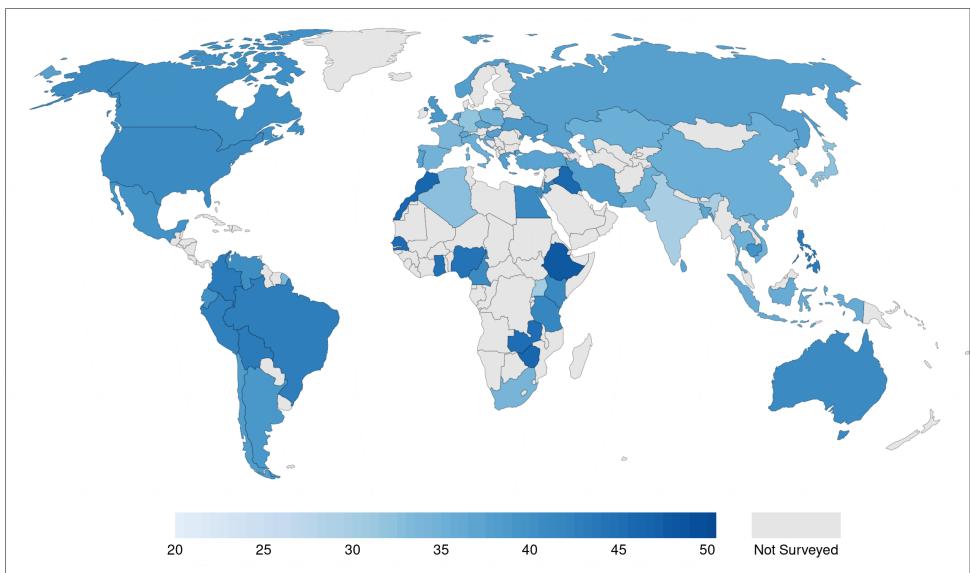


Figure B.5: Global variation in domestic universalism

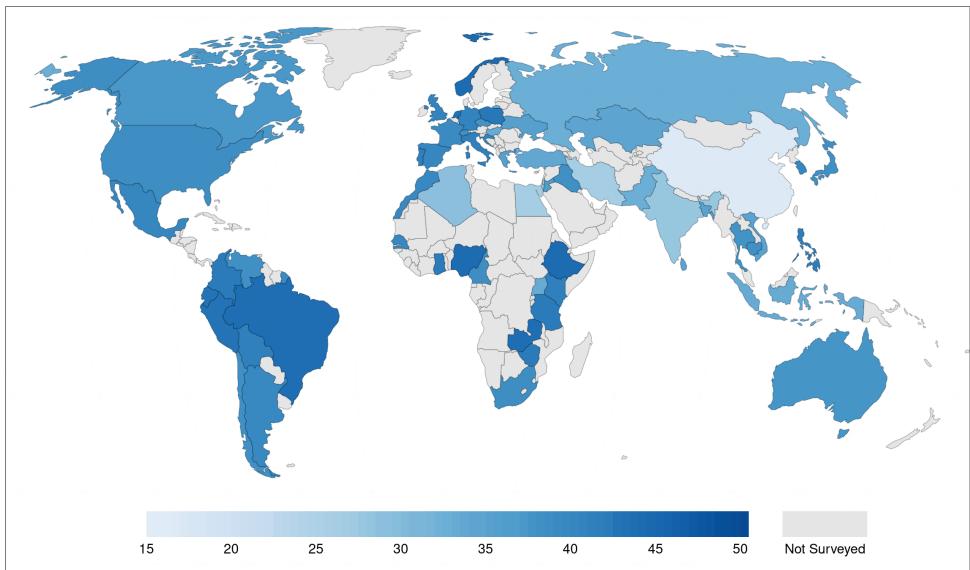


Figure B.6: Global variation in foreign universalism

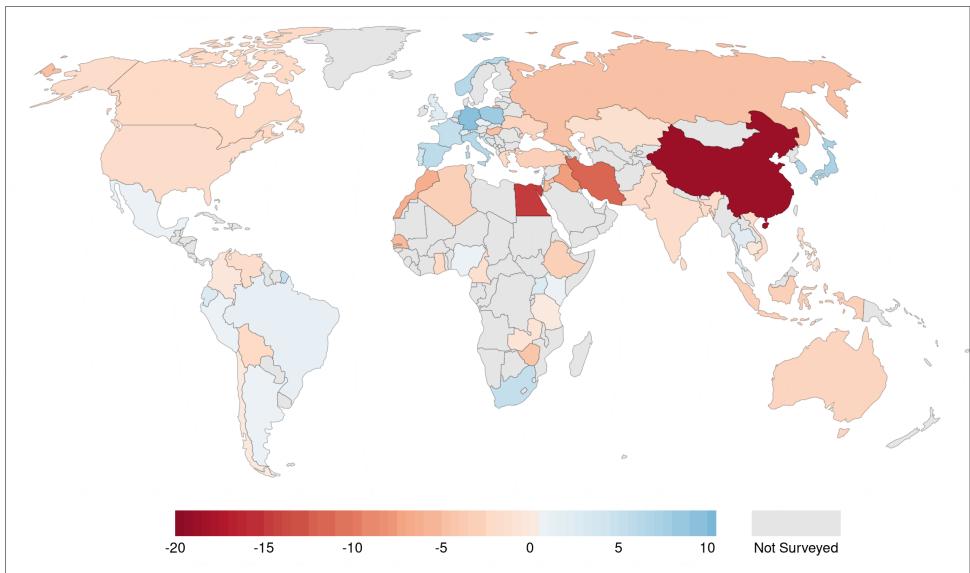


Figure B.7: Global variation in difference between domestic and foreign universalism

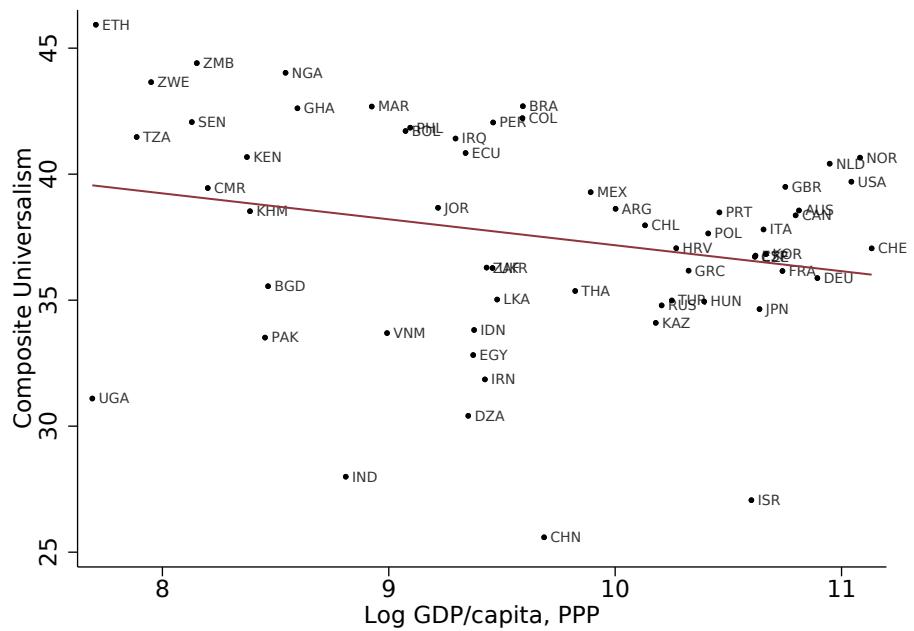


Figure B.8: Correlation between country-level composite universalism and log GDP per capita.

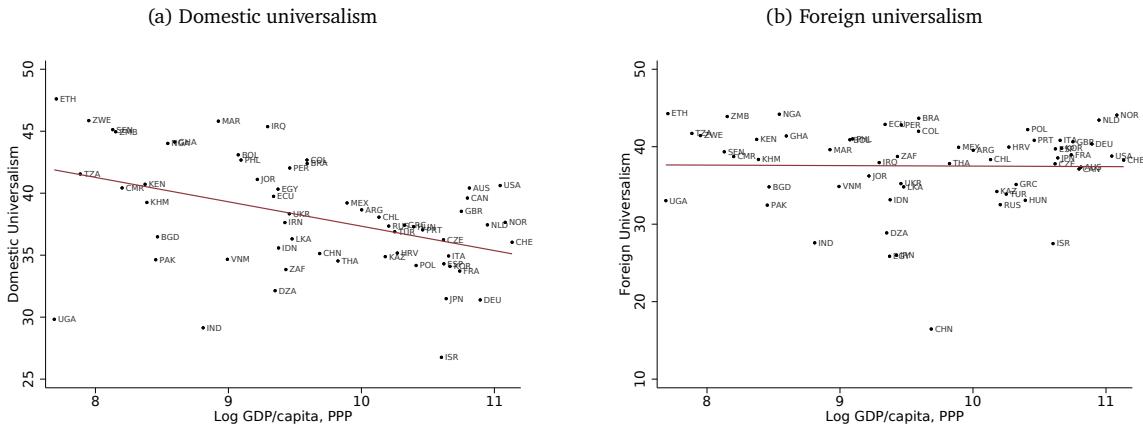


Figure B.9: Domestic / foreign universalism and log GDP per capita. 0 means that all money is shared with the in-group, 50 equal splits, and 100 that all money is shared with the socially more distant stranger.

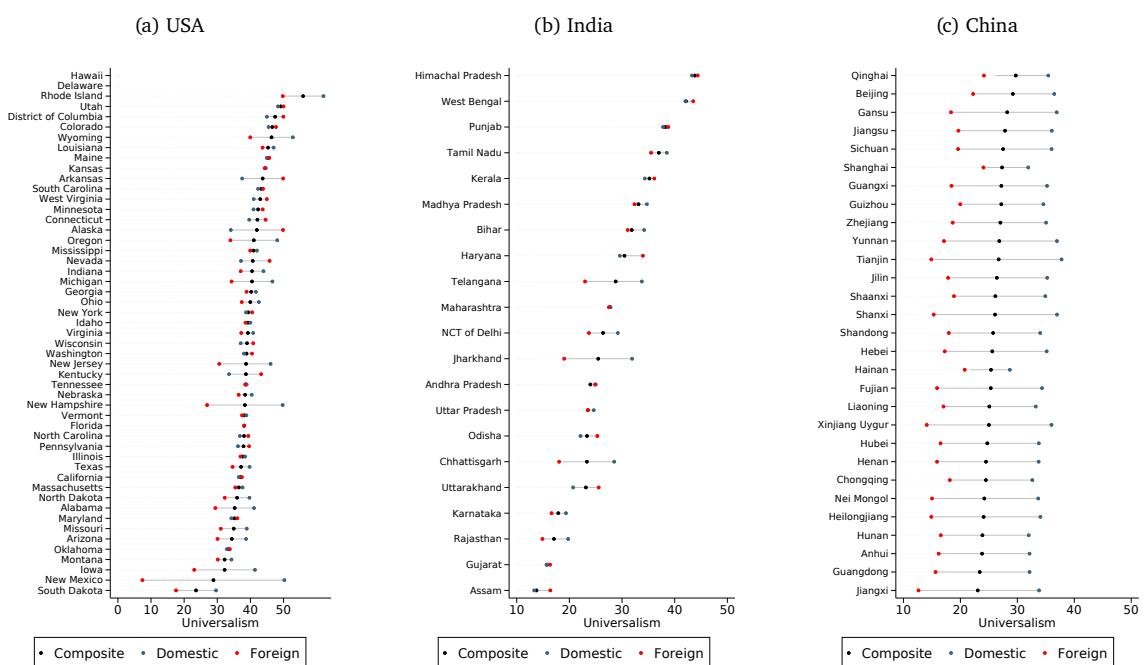


Figure B.10: Average composite, domestic and foreign universalism by state/sub-national region in USA / India / China. 0 means that all money is shared with the in-group, 50 equal splits, and 100 that all money is shared with the socially more distant stranger. Composite universalism occasionally doesn't equal the average of domestic and foreign universalism because of missing domestic or foreign universalism data (see footnote 4 and Appendix A.6 for details).

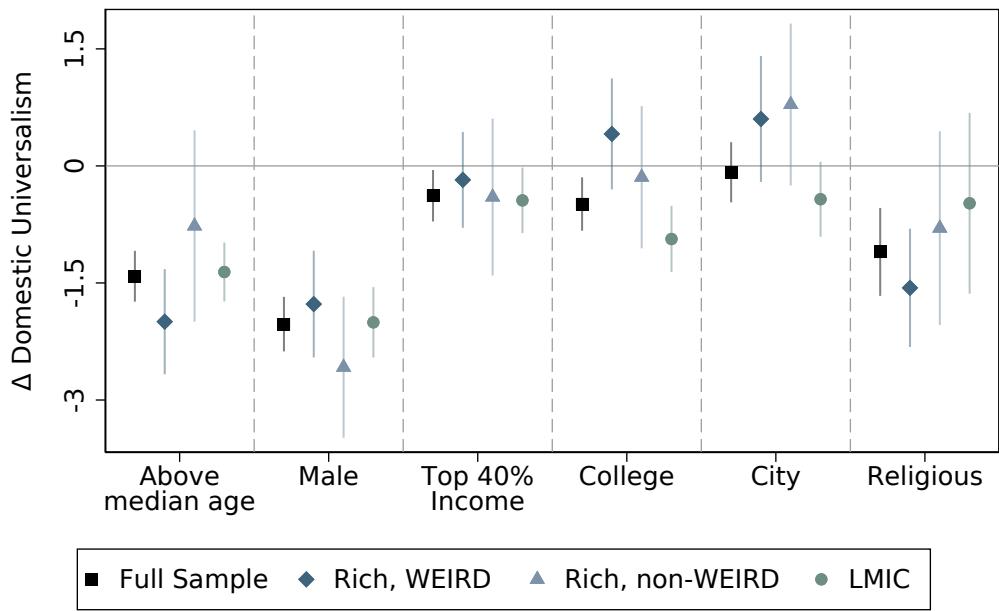


Figure B.11: Domestic universalism and demographics. OLS coefficients from regressions of domestic universalism on demographics, controlling for country and treatment fixed effects. Each coefficient reflects the results of a separate regression and can be interpreted as the percentage point change in universalism. The demographic variables here are indicators; Median age and income quintiles are computed for each country separately. Whiskers show 95% confidence intervals, computed based on robust standard errors, clustered at the sampling unit level.

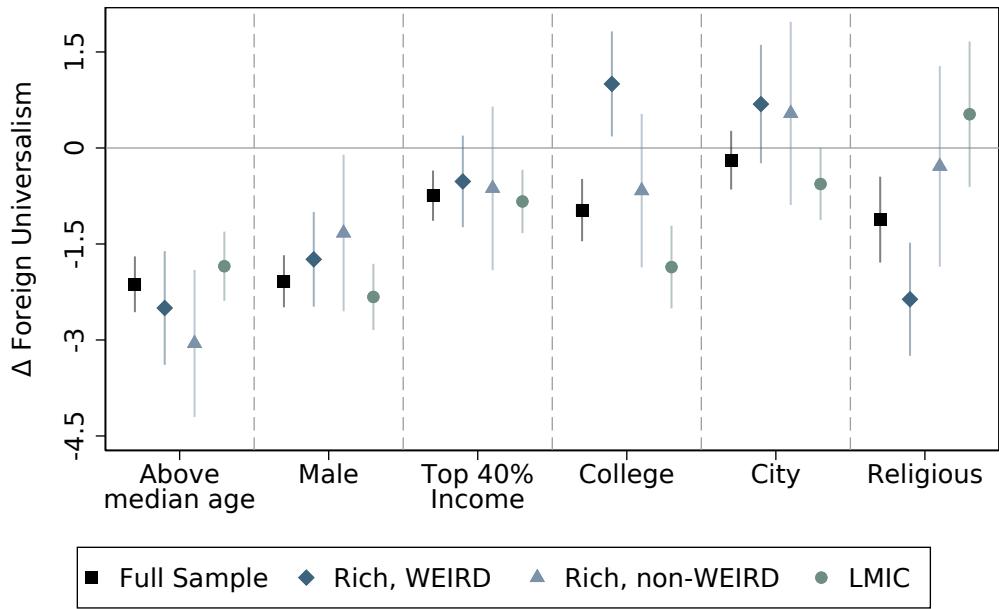
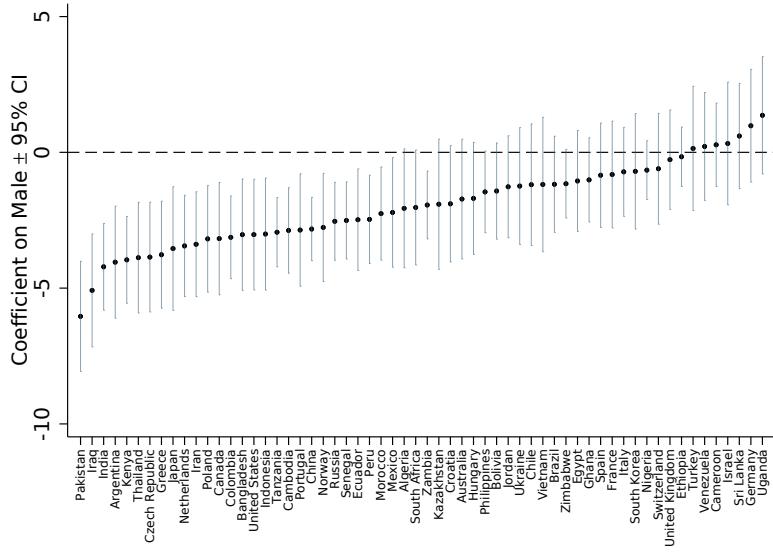


Figure B.12: Foreign universalism and demographics. OLS coefficients from regressions of foreign universalism on demographics, controlling for country and treatment fixed effects. Each coefficient reflects the results of a separate regression and can be interpreted as the percentage point change in universalism. The demographic variables here are indicators; Median age and income quintiles are computed for each country separately. Whiskers show 95% confidence intervals, computed based on robust standard errors, clustered at the sampling unit level.

(a) Universalism and gender by country



(b) Universalism and urban residence by country

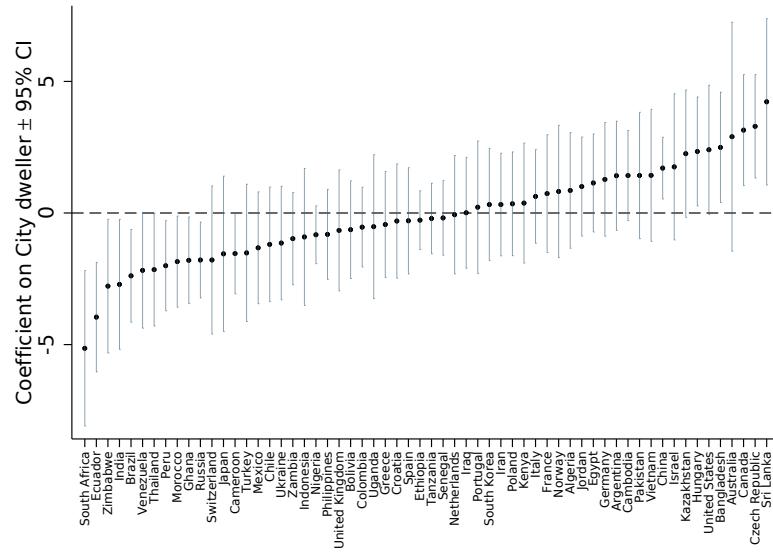
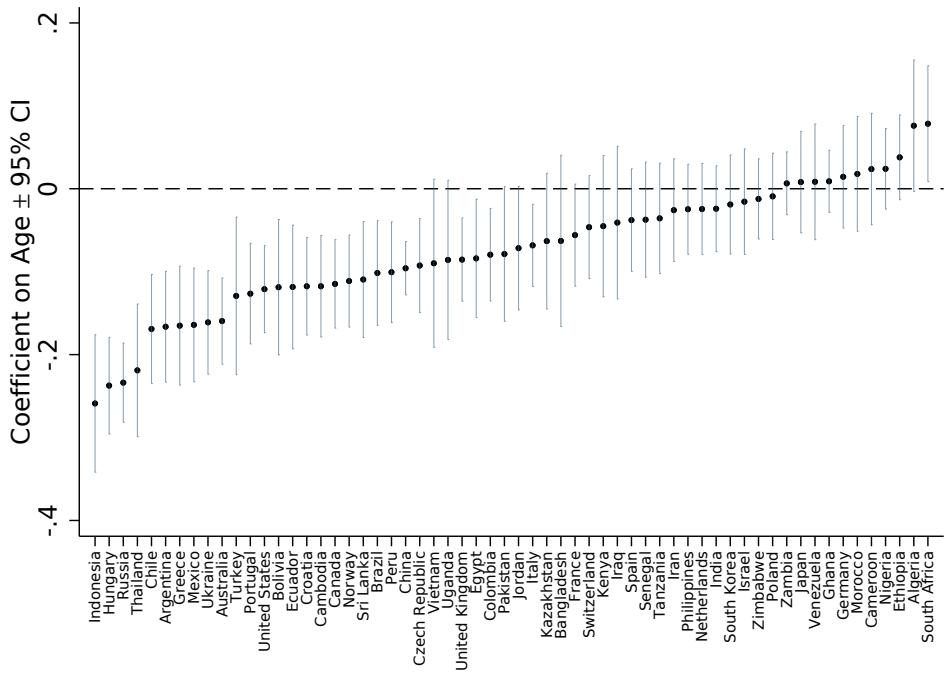


Figure B.13: Composite universalism and gender / urban residence by country. The figures show the country-specific OLS coefficients of regressions of composite universalism on a male dummy (top panel) / a city dummy (bottom panel), controlling for treatment fixed effects. The coefficients can be interpreted as the percentage point change in universalism. Whiskers show 95% confidence intervals, computed based on robust standard errors.

(a) Age and universalism by country



(b) Universalism and college education by country

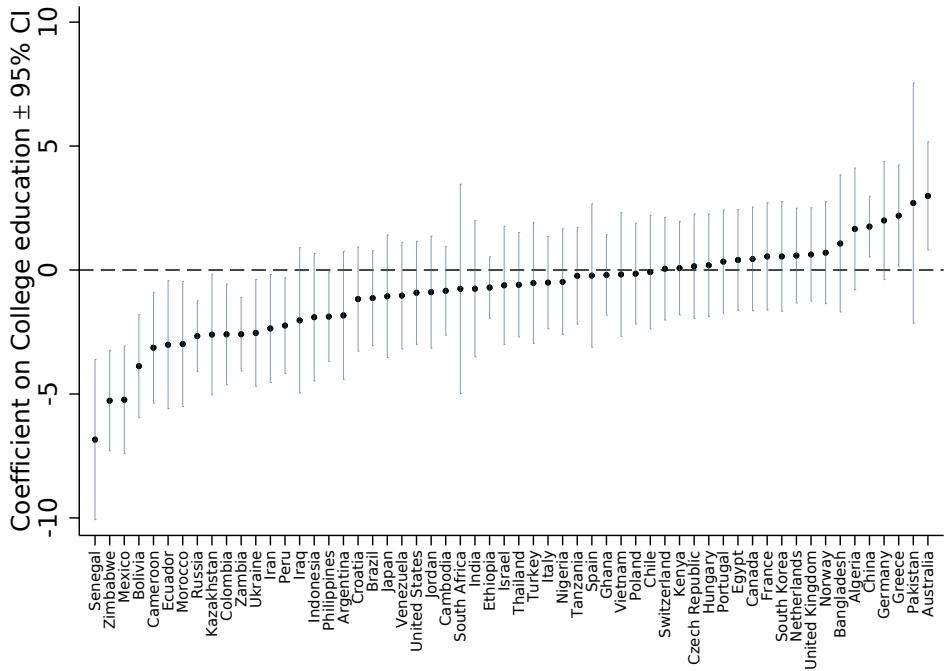
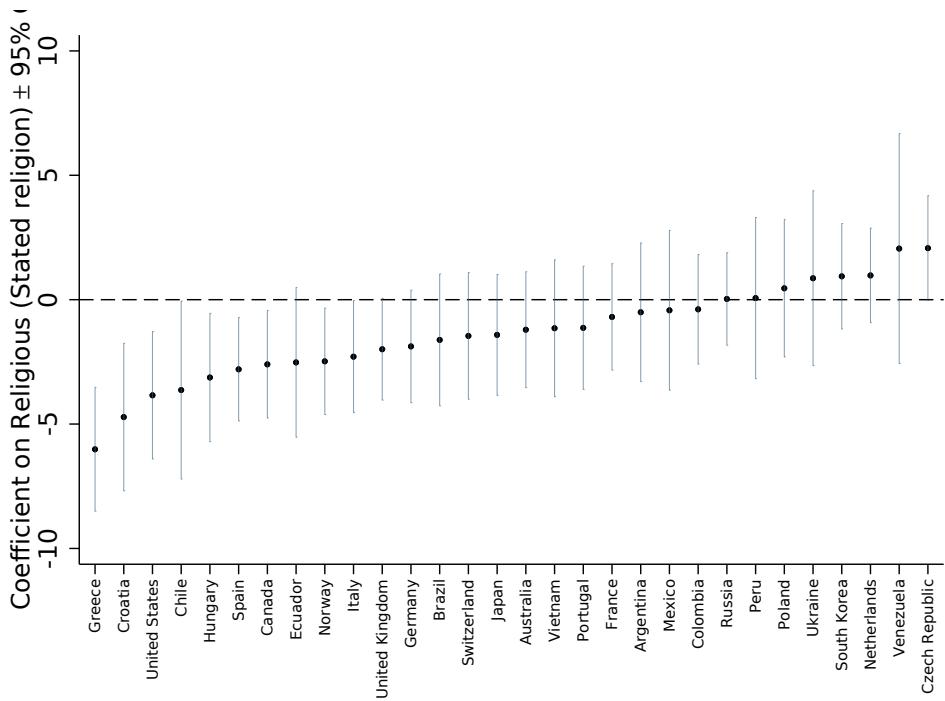


Figure B.14: Composite universalism and age / education by country. The figures show the country-specific OLS coefficients of regressions of composite universalism age (top panel) / a college education dummy (bottom panel), controlling for treatment fixed effects. Whiskers show 95% confidence intervals, computed based on robust standard errors.

(a) Universalism and religiosity by country



(b) Universalism and income (top 40%) by country

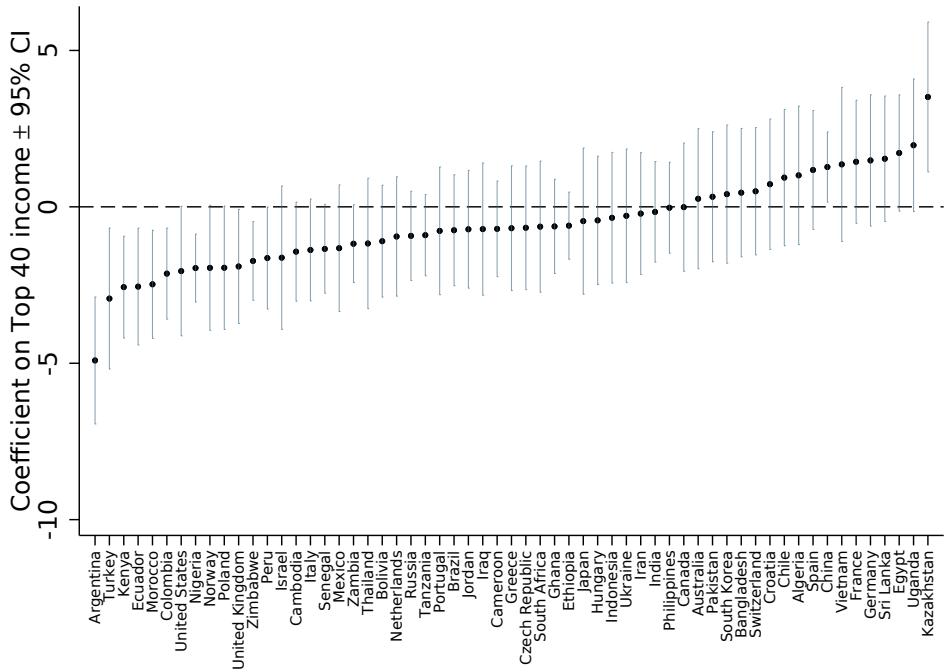


Figure B.15: Composite universalism and religiosity / high income by country. The figures show the country-specific OLS coefficients of regressions of composite universalism a religiosity dummy (top panel) / a dummy $\bar{1}$ if the individual's household income is above the 60th percentile (bottom panel), controlling for treatment fixed effects. Whiskers show 95% confidence intervals, computed based on robust standard errors. Countries in which 95% or more of respondents report following a religion are excluded from this plot.

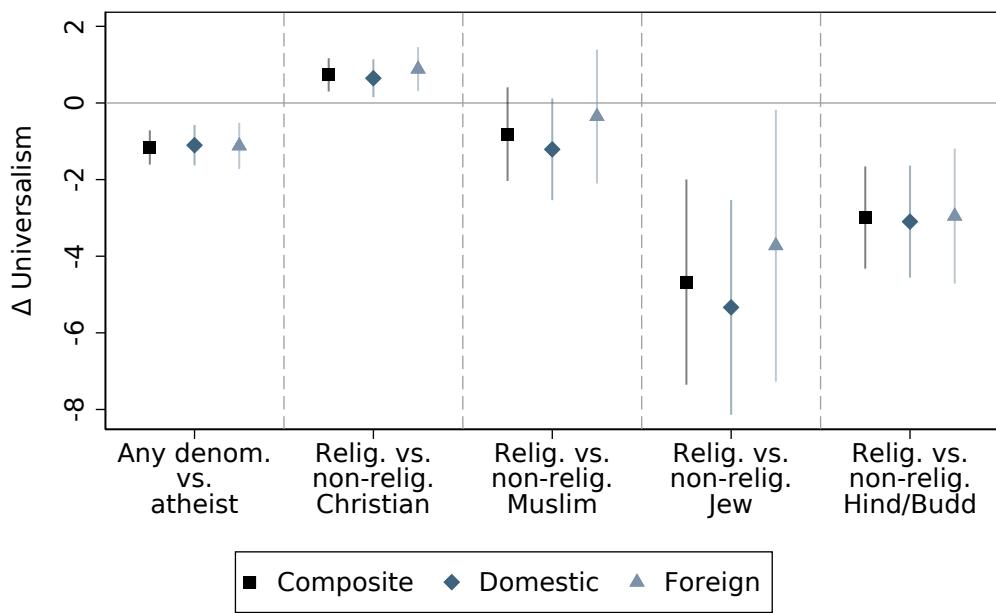


Figure B.16: OLS coefficients from individual-level regressions of universalism on different indicator variables, controlling for country and treatment fixed effects. In the first panel, the indicator equals one if the respondent reports any religious denomination and zero if they report being an atheist. In the second through fifth panel, the sample is restricted to respondents who report a specific religious denomination. The indicator variable equals one if the respondent reports that religion plays an important part in their life and zero otherwise. For example, in the first panel, the sample is restricted to people who report belonging to a Christian denomination, and the regression coefficient shows how much more (or less) universalist those Christians are who report that religion plays an important role in their life. Whiskers show 95% confidence intervals, computed based on robust standard errors.

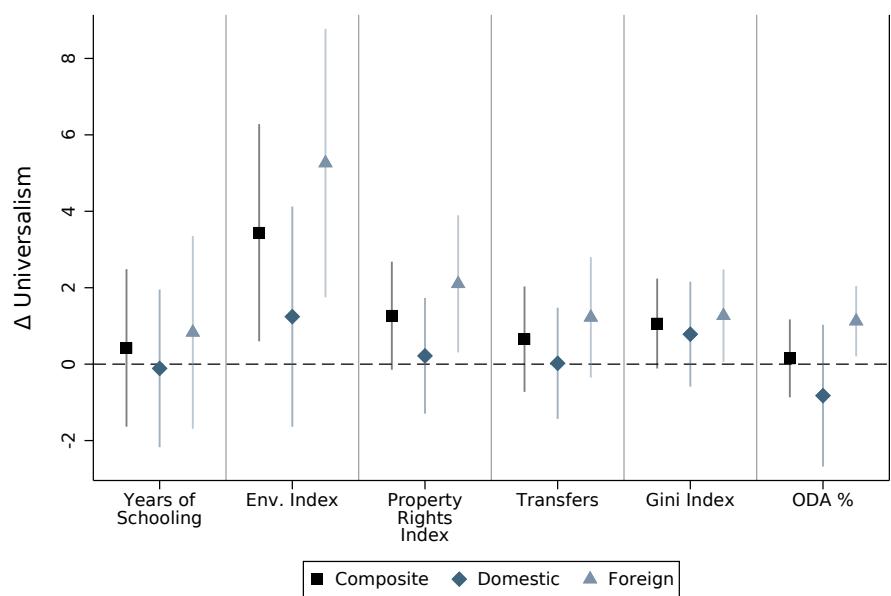


Figure B.17: Additional country-level correlations: Results from OLS regressions of composite universalism on each of various country-level variables, controlling for log GDP p/c. All country characteristics other than universalism are standardized into z-scores. As a result, the coefficients show by how much universalism changes (descriptively) when a country characteristic increases by one standard deviation conditional on log GDP p/c.

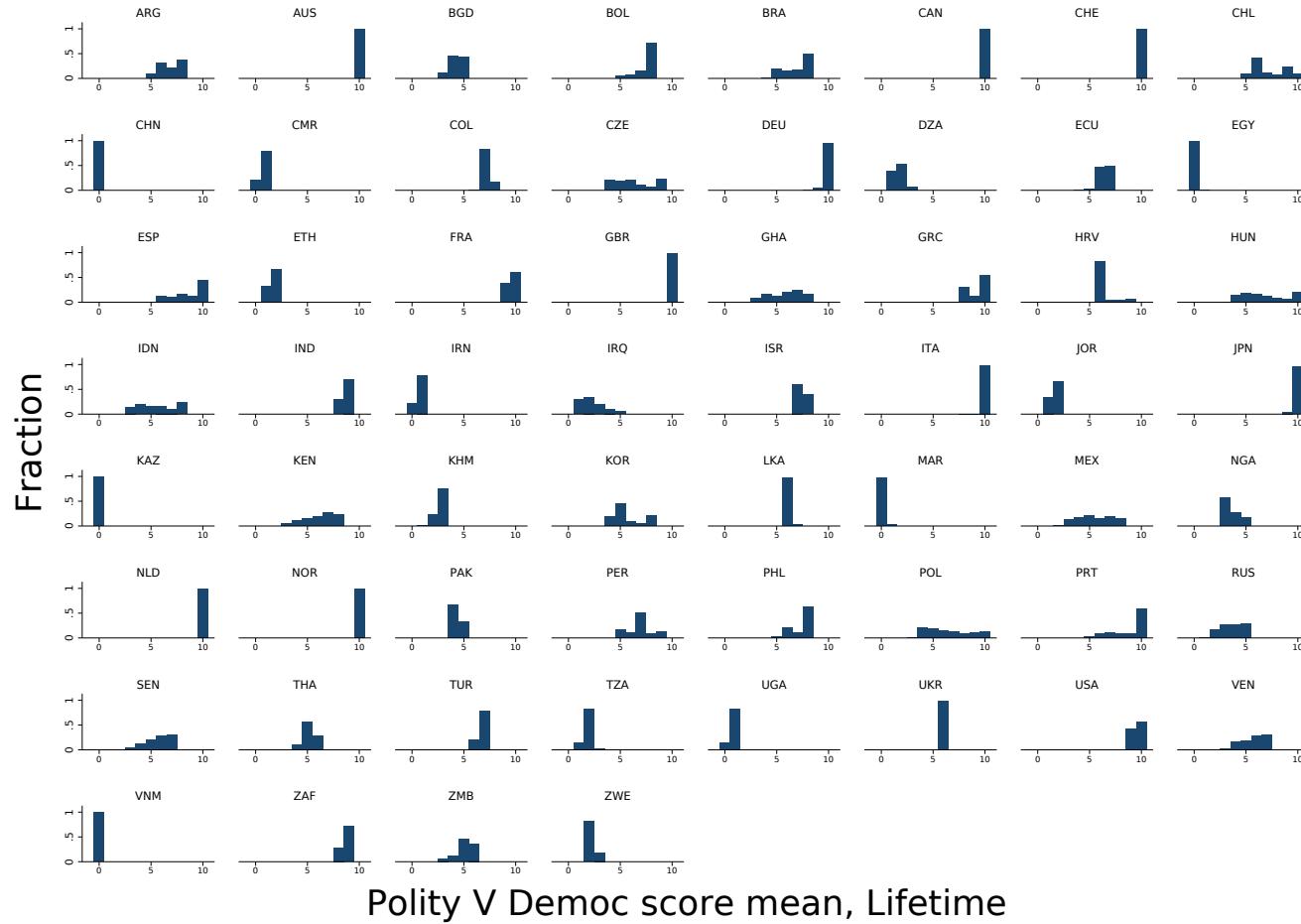


Figure B.18: Country-wise variation in exposure to democracy. Each plot shows the distribution of the average democracy (score from 0 to 10) experienced by an individual in our sample from that country.

C Additional Tables

Table C.1: Pearson correlations among allocation decisions

	Family	Friend	Neighbor	Co-religionist	Co-ethnic	Compatriot
Family	1.00	0.52	0.33	0.21	0.28	0.25
Friend	0.52	1.00	0.45	0.30	0.35	0.28
Neighbor	0.33	0.45	1.00	0.35	0.41	0.27
Co-religionist	0.21	0.30	0.35	1.00	0.45	0.26
Co-ethnic	0.28	0.35	0.41	0.45	1.00	0.30
Compatriot	0.25	0.28	0.27	0.26	0.30	1.00

Notes. Pairwise correlations among individual-level allocation decisions, pooled across treatments.

Table C.2: Spearman rank correlations among allocation decisions

	Family	Friend	Neighbor	Co-religionist	Co-ethnic	Compatriot
Family	1.00	0.55	0.37	0.23	0.28	0.26
Friend	0.55	1.00	0.46	0.31	0.34	0.28
Neighbor	0.37	0.46	1.00	0.36	0.41	0.27
Co-religionist	0.23	0.31	0.36	1.00	0.44	0.25
Co-ethnic	0.28	0.34	0.41	0.44	1.00	0.30
Compatriot	0.26	0.28	0.27	0.25	0.30	1.00

Notes. Spearman rank order pairwise correlations among individual-level allocation decisions, pooled across treatments.

Table C.3: Treatment effects on universalism

	Composite Universalism		Domestic		Foreign	
	(1)	(2)	(3)	(4)	(5)	(6)
Moral	0.604*** (0.135)	0.518*** (0.134)	0.394*** (0.147)	0.374** (0.148)	0.773*** (0.185)	0.617*** (0.183)
Constant	36.280*** (0.338)	36.742*** (0.541)	37.369*** (0.343)	37.166*** (0.558)	35.650*** (0.403)	36.205*** (0.739)
Country FE	No	Yes	No	Yes	No	Yes
Demog. controls	No	Yes	No	Yes	No	Yes
Adjusted R^2	0.000	0.073	0.000	0.066	0.000	0.056
Observations	63788	57769	63230	57353	61753	56016

Notes. OLS results from regressing recoded universalism on an indicator for the *Moral* treatment, controlling for demographic and country characteristics. Controls are a person's age, square of the age and indicators for the country of residence and whether the person is male, college educated, religious, lives in a city, is in the top 40% of the income distribution in the country sample. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.4: Composite universalism and Demographics: Full Sample

	Dependent variable: Universalism						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Above med. age	-1.922*** (0.168)						-1.779*** (0.177)
Male		-2.075*** (0.169)					-2.000*** (0.185)
Top 40 income			-0.499*** (0.154)				-0.276* (0.160)
College education				-0.696*** (0.179)			-0.687*** (0.183)
City dweller					-0.111 (0.183)		-0.135 (0.191)
Religious (Stated religion)						-1.162*** (0.256)	-1.155*** (0.255)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjusted R^2	0.087	0.087	0.084	0.083	0.083	0.063	0.071
Observations	63788	63788	63788	63423	63516	58302	57769

Notes. Estimates from OLS with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 5. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.5: Composite universalism and Demographics: WEIRD countries

	<i>Dependent variable: Universalism</i>						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Above med. age	-2.399*** (0.320)						-2.209*** (0.312)
Male		-1.748*** (0.295)					-1.873*** (0.301)
Top 40 income			-0.371 (0.267)				-0.292 (0.259)
College education				0.692** (0.336)			0.644* (0.341)
City dweller					0.664* (0.348)		0.437 (0.352)
Religious (Stated religion)						-1.901*** (0.346)	-1.631*** (0.346)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjusted R^2	0.013	0.010	0.008	0.008	0.008	0.010	0.019
Observations	12852	12852	12852	12784	12803	12668	12564

Notes. Estimates from OLS with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 5. The sample is restricted to individuals from WEIRD countries. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.6: Composite universalism and Demographics: High income, non-WEIRD countries

	<i>Dependent variable: Universalism</i>						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Above med. age	-2.172*** (0.534)						-2.214*** (0.530)
Male		-1.943*** (0.469)					-2.021*** (0.493)
Top 40 income			-0.390 (0.446)				-0.412 (0.504)
College education				-0.284 (0.400)			-0.483 (0.414)
City dweller					0.664 (0.517)		0.567 (0.499)
Religious (Stated religion)						-0.671 (0.596)	-0.488 (0.576)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjusted R^2	0.041	0.040	0.038	0.038	0.038	0.038	0.045
Observations	7878	7878	7878	7847	7863	7694	7653

Notes. Estimates from OLS with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 5. The sample is restricted to individuals from high income countries that are not classified as WEIRD. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.7: Composite universalism and Demographics: LMICs

	<i>Dependent variable: Universalism</i>						
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Above med. age	-1.735*** (0.205)						-1.501*** (0.222)
Male		-2.198*** (0.219)					-2.051*** (0.248)
Top 40 income			-0.557*** (0.198)				-0.183 (0.206)
College education				-1.360*** (0.232)			-1.404*** (0.245)
City dweller					-0.460** (0.229)		-0.443* (0.245)
Religious (Stated religion)						-0.204 (0.446)	-0.419 (0.447)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjusted R^2	0.114	0.116	0.112	0.112	0.112	0.083	0.092
Observations	43058	43058	43058	42792	42850	37940	37552

Notes. Estimates from OLS with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 5. The sample is restricted to individuals from Low- and Middle-income countries. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.8: Composite universalism and civic engagement / community attachment

	<i>Dependent variable:</i>			
	Helped a Stranger		Move away	
	(1)	(2)	(3)	(4)
Universalism / 100	0.116*** (0.014)	0.112*** (0.014)	0.042*** (0.014)	0.019 (0.015)
Age		-0.002*** (0.000)		-0.003*** (0.000)
Male		0.035*** (0.004)		0.023*** (0.004)
College education		0.024*** (0.005)		0.006 (0.004)
City dweller		0.023*** (0.005)		-0.002 (0.005)
Income quintile		0.006*** (0.002)		-0.002 (0.002)
Country FE	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes
Adjusted R^2	0.105	0.112	0.091	0.110
Observations	63450	61851	61199	59674

Notes. OLS estimates of various indicators of civic engagement on composite universalism and demographic indicators. Standard errors (in parentheses) are clustered at the sampling unit level. Universalism is divided by 100 for expositional ease. (1)-(4): Indicators for social engagement are coded such that 0 indicates "No" to each question. All regressions control for country and treatment fixed effects. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.9: Composite universalism and political views

	Dependent variable:					
	Reduce Inequality	Prioritize global vs. domestic		Pro immigrants		Weak military
		(1)	(2)	(3)	(4)	(5)
Universalism / 100	0.171*** (0.042)	0.409*** (0.041)	0.316*** (0.047)	0.047 (0.058)	0.203*** (0.053)	0.204*** (0.048)
Age	0.001* (0.000)	-0.000 (0.000)	-0.004*** (0.000)	0.001** (0.000)	-0.000 (0.001)	-0.003*** (0.001)
Male	-0.049*** (0.013)	-0.003 (0.012)	-0.020 (0.014)	-0.004 (0.014)	0.054*** (0.014)	-0.006 (0.015)
College education	0.004 (0.015)	0.069*** (0.015)	0.120*** (0.017)	0.148*** (0.019)	0.142*** (0.020)	0.163*** (0.017)
City dweller	0.035** (0.014)	-0.000 (0.013)	0.016 (0.015)	-0.158*** (0.018)	-0.010 (0.017)	0.053*** (0.017)
Income quintile	-0.004 (0.005)	0.012*** (0.005)	0.011** (0.005)	0.009 (0.006)	0.008 (0.005)	0.013** (0.005)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes
Adjusted R^2	0.065	0.151	0.158	0.146	0.200	0.253
Observations	19225	19424	19167	22124	21745	19100

Notes. Estimates from OLS with robust standard errors, clustered at the sampling unit level. Universalism is divided by 100 for expositional ease. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.10: Composite universalism and political views: Controlling for Religiosity

	Reduce Inequality	Dependent variable:					
		Prioritize global vs. domestic		Pro immigrants		Weak military	
		(1)	(2)	(3)	(4)	(5)	(6)
Domestic universalism / 100	0.18*** (0.04)	0.08** (0.04)	0.09** (0.04)	0.23*** (0.05)	0.07 (0.05)	-0.06 (0.04)	
Foreign universalism / 100	-0.00 (0.03)	0.34*** (0.03)	0.23*** (0.03)	-0.01 (0.05)	0.23*** (0.05)	0.22*** (0.04)	
College education	0.00 (0.02)	0.07*** (0.02)	0.12*** (0.02)	0.14*** (0.02)	0.15*** (0.02)	0.15*** (0.02)	
Income quintile	-0.01 (0.00)	0.01** (0.01)	0.01* (0.01)	0.01* (0.01)	0.01** (0.01)	0.01** (0.01)	0.01** (0.01)
Religious	-0.04* (0.02)	-0.04 (0.02)	-0.12*** (0.03)	-0.12*** (0.03)	-0.18*** (0.03)	-0.28*** (0.03)	
Country FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Demographic controls	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Adjusted R^2	0.066	0.156	0.166	0.163	0.220	0.267	
Observations	17985	18074	17875	17682	17471	17897	

Notes. Estimates from OLS with robust standard errors, clustered at the sampling unit level. Universalism is divided by 100 for expositional ease. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.11: Political Views and Composite Universalism in sub-samples

		Dependent variable: Focus on reducing inequality			
		Full sample		WEIRD	HIC, Non-WEIRD
		(1)	(2)	(3)	(4)
Universalism / 100	0.169*** (0.043)	0.466*** (0.085)	0.186* (0.101)	0.055 (0.054)	
Country FE	Yes	Yes	Yes	Yes	
Treatment FE	Yes	Yes	Yes	Yes	
Adjusted R^2	0.063	0.046	0.102	0.060	
Observations	19753	4335	2621	12797	

Notes. Estimates from OLS of responses to survey questions on political views (coded from 1 to 4, coded such that 4 is the predicted correlation with universalism) on universalism, controlling for treatment and country effects with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 7. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.12: Political Views and Composite Universalism in sub-samples

	<i>Dependent variable: Focus global vs local poor</i>			
	Full sample (1)	WEIRD (2)	HIC, Non-WEIRD (3)	LMIC (4)
Universalism / 100	0.414*** (0.040)	0.749*** (0.094)	0.469*** (0.082)	0.279*** (0.047)
Country FE	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes
Adjusted R^2	0.146	0.071	0.110	0.041
Observations	19942	4364	2570	13008

Notes. Estimates from OLS of responses to survey questions on political views (coded from 1 to 4, coded such that 4 is the predicted correlation with universalism) on universalism, controlling for treatment and country effects with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 7. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.13: Political Views and Composite Universalism in sub-samples

	<i>Dependent variable: Focus global vs local environment</i>			
	Full sample (1)	WEIRD (2)	HIC, Non-WEIRD (3)	LMIC (4)
Universalism / 100	0.329*** (0.047)	0.807*** (0.095)	0.383*** (0.127)	0.143** (0.056)
Country FE	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes
Adjusted R^2	0.150	0.036	0.117	0.052
Observations	19700	4229	2529	12942

Notes. Estimates from OLS of responses to survey questions on political views (coded from 1 to 4, coded such that 4 is the predicted correlation with universalism) on universalism, controlling for treatment and country effects with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 7. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.14: Political Views and Composite Universalism in sub-samples

	<i>Dependent variable: Pro immigrants in area</i>			
	Full sample (1)	WEIRD (2)	HIC, Non-WEIRD (3)	LMIC (4)
Universalism / 100	0.022 (0.057)	0.509*** (0.102)	0.107 (0.135)	-0.133* (0.072)
Country FE	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes
Adjusted R^2	0.137	0.103	0.220	0.075
Observations	22619	4144	2586	15889

Notes. Estimates from OLS of responses to survey questions on political views (coded from 1 to 4, coded such that 4 is the predicted correlation with universalism) on universalism, controlling for treatment and country effects with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 7. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.15: Political Views and Composite Universalism in sub-samples

	<i>Dependent variable: Pro immigrants in country</i>			
	Full sample (1)	WEIRD (2)	HIC, Non-WEIRD (3)	LMIC (4)
Universalism / 100	0.175*** (0.053)	0.932*** (0.109)	0.361** (0.138)	-0.073 (0.060)
Country FE	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes
Adjusted R^2	0.192	0.137	0.270	0.121
Observations	22225	4215	2482	15528

Notes. Estimates from OLS of responses to survey questions on political views (coded from 1 to 4, coded such that 4 is the predicted correlation with universalism) on universalism, controlling for treatment and country effects with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 7. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table C.16: Political Views and Composite Universalism in sub-samples

	<i>Dependent variable: Oppose strong military</i>			
	Full sample (1)	WEIRD (2)	HIC, Non-WEIRD (3)	LMIC (4)
Universalism / 100	0.186*** (0.049)	0.499*** (0.107)	0.496*** (0.150)	-0.013 (0.051)
Country FE	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes
Adjusted R^2	0.240	0.157	0.165	0.131
Observations	19628	4205	2593	12830

Notes. Estimates from OLS of responses to survey questions on political views (coded from 1 to 4, coded such that 4 is the predicted correlation with universalism) on universalism, controlling for treatment and country effects with robust standard errors, clustered at the sampling unit level. The coefficients and standard errors here are used in plotting the values in figure 7. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

D Results Without Recoding of Allocation Decisions

This appendix replicates all figures and tables from the main paper using the raw universalism data that are not corrected as described in Section 2.3.

D.1 Figures

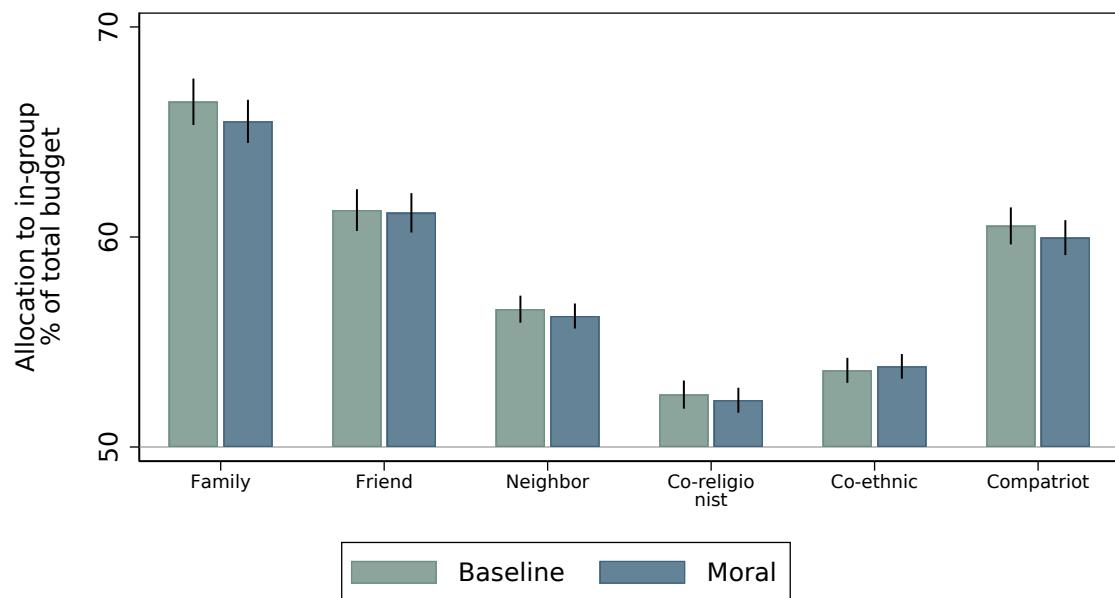


Figure D.1: Mean money allocations to the in-group by treatment. Each bar indicates how much of the budget was given to the in-group. Whiskers show 95% confidence intervals, computed based on clustering at the sampling unit level.

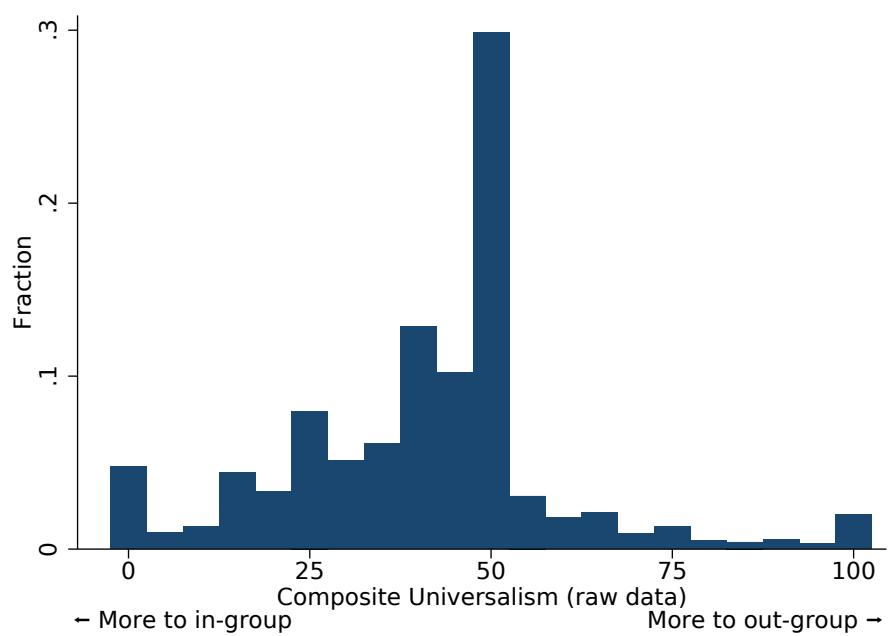


Figure D.2: Distribution of composite universalism across individuals, pooled across treatments ($N = 63,788$). 0 means that all money is shared with the in-group, 50 captures equal splits (on average), and 100 that all money is shared with the socially more distant stranger.

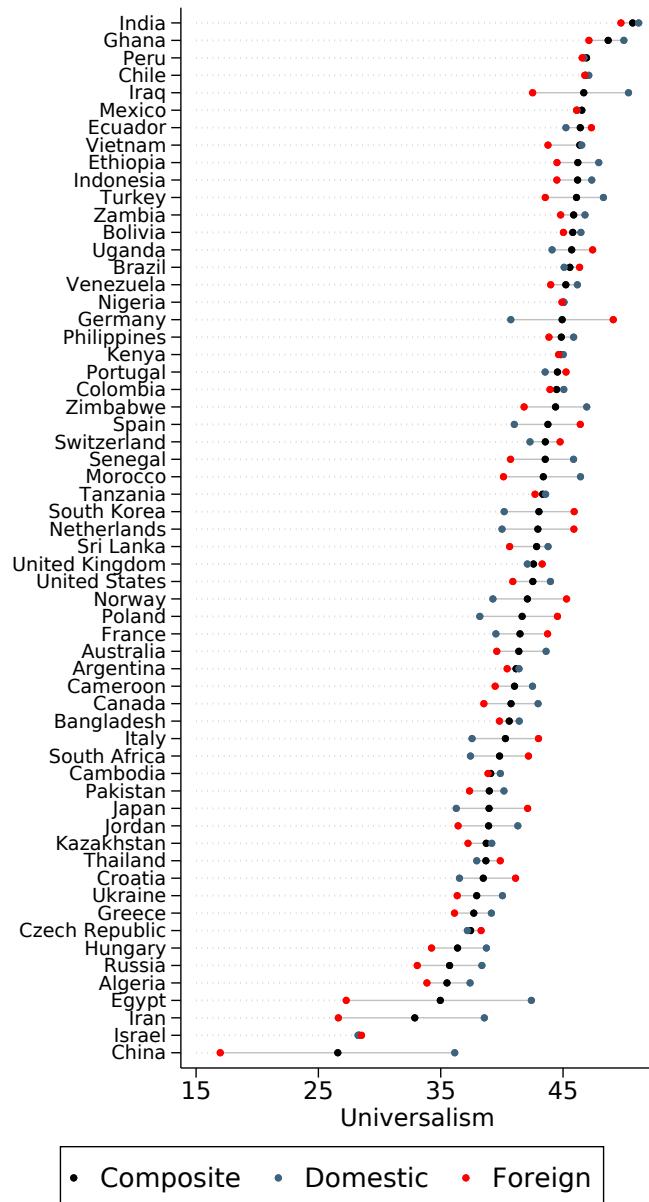


Figure D.3: Average composite, domestic and foreign universalism by country. 0 means that all money is shared with the in-group, 50 equal splits, and 100 that all money is shared with the socially more distant stranger. Composite universalism occasionally doesn't equal the average of domestic and foreign universalism because of missing domestic or foreign universalism data (see footnote 4 and Appendix A.6).

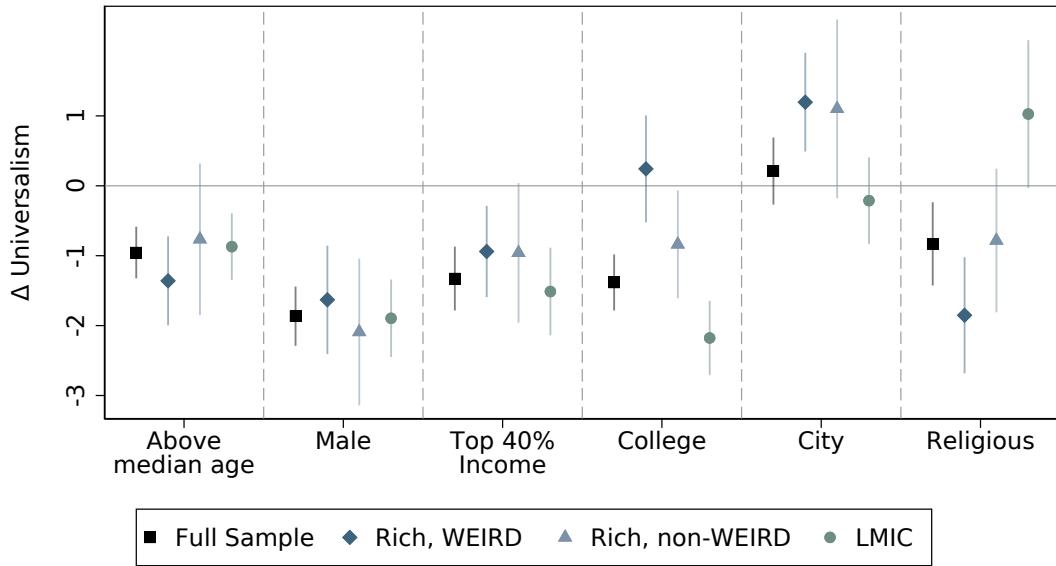


Figure D.4: Universalism and demographics. OLS coefficients from regressions of composite universalism on each demographic, controlling for country and treatment fixed effects. Each coefficient reflects the results of a separate regression on a different sub-sample and can be interpreted as the percentage point change in universalism. All demographics are coded to be binary. Median age and income percentiles are computed separately for each country based on the sample. College captures a college degree, city whether the respondent lives in a big city, and religious whether the respondent reports belonging to a religious denomination. Whiskers show 95% confidence intervals, computed based on robust standard errors, clustered at the sampling unit level. LMIC = low- and middle-income countries. WEIRD = rich Western countries.

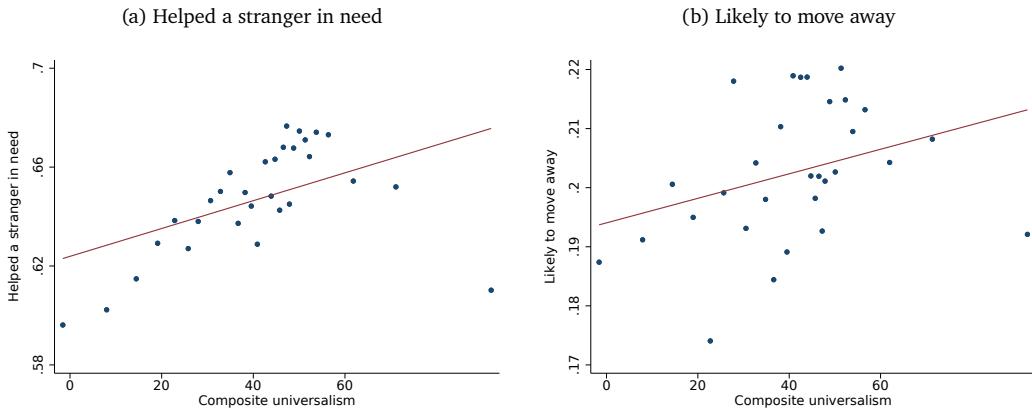


Figure D.5: Individual-level composite universalism and civic engagement / community attachment. Each panel shows a binned scatter plot that, for a given level of universalism, computes the average probability of (a) having helped a stranger and (b) saying it is likely that one will move away in next year. The left panel is based on 63,450 and the right panel based on 61,199 respondents. Both panels are constructed controlling for country and treatment FE.

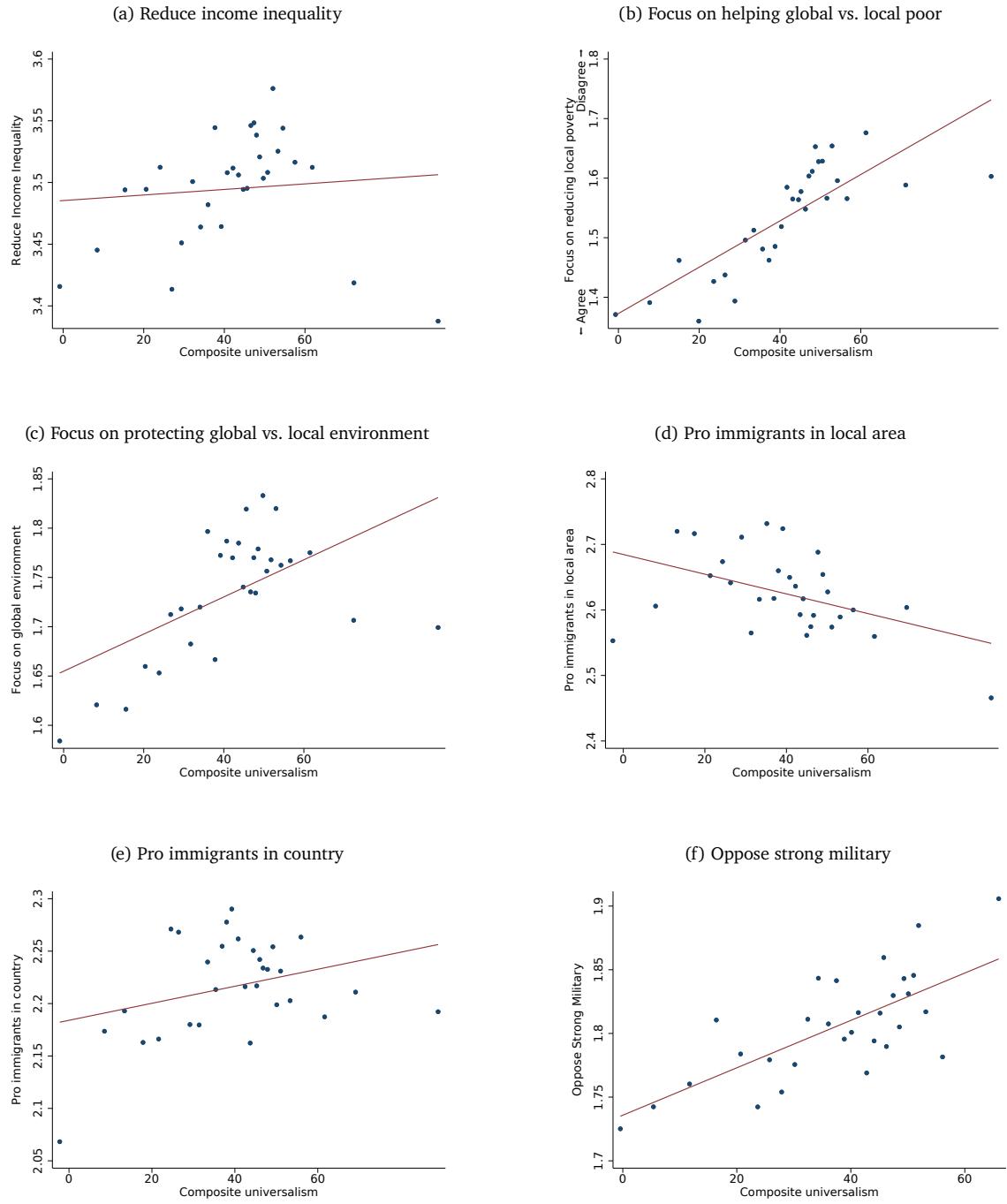


Figure D.6: Composite universalism and political views at the individual level. The figures show binned scatter plots that average agreement with a policy priority for a given level of universalism. The figures are constructed controlling for country and treatment FE. Political views are coded as 1–4, based on responses of “Strongly disagree”, “Disagree”, “Agree” and “Strongly agree.” See Section 2.5 for the wording of the political questions.

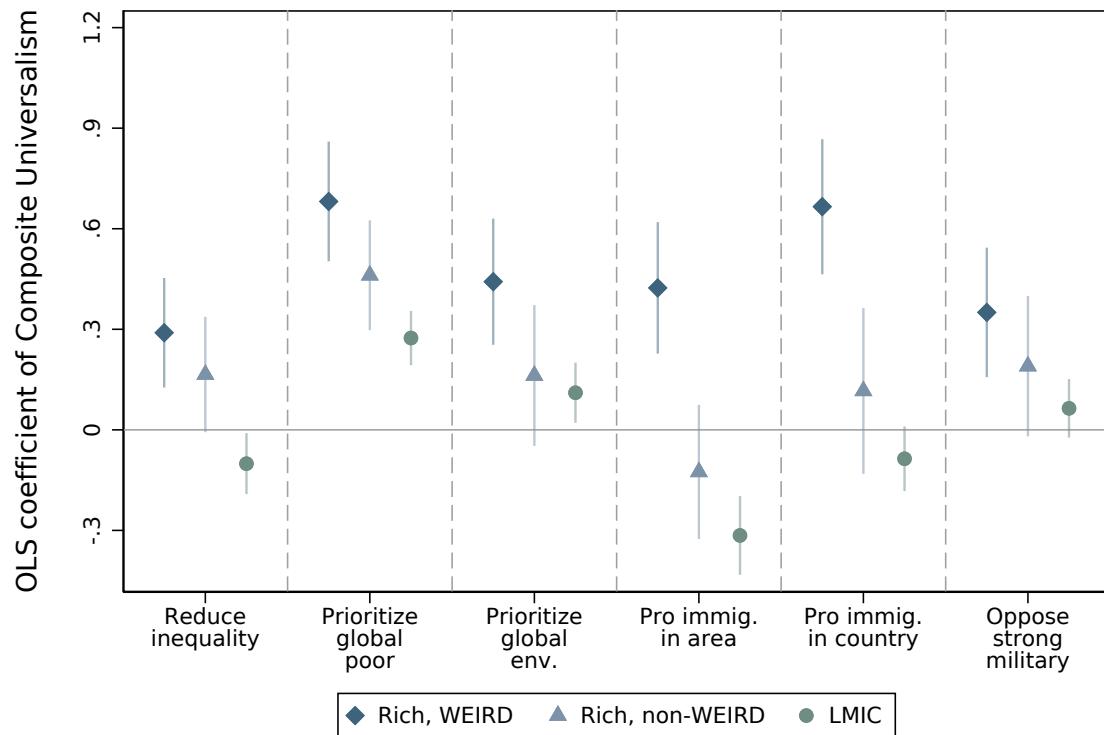


Figure D.7: Individual-level composite universalism and political views in different sub-samples. OLS coefficients from regressions of political attitudes on composite universalism, controlling for country and treatment fixed effects. Each coefficient reflects the results of a separate regression on a different sub-sample and can be interpreted as the change in agreement with a policy priority (on a scale 1–4) in response to a one unit change in universalism. Whiskers show 95% confidence intervals, computed based on robust standard errors, clustered at the sampling unit level. LMIC = low- and middle-income countries. WEIRD = rich Western countries.

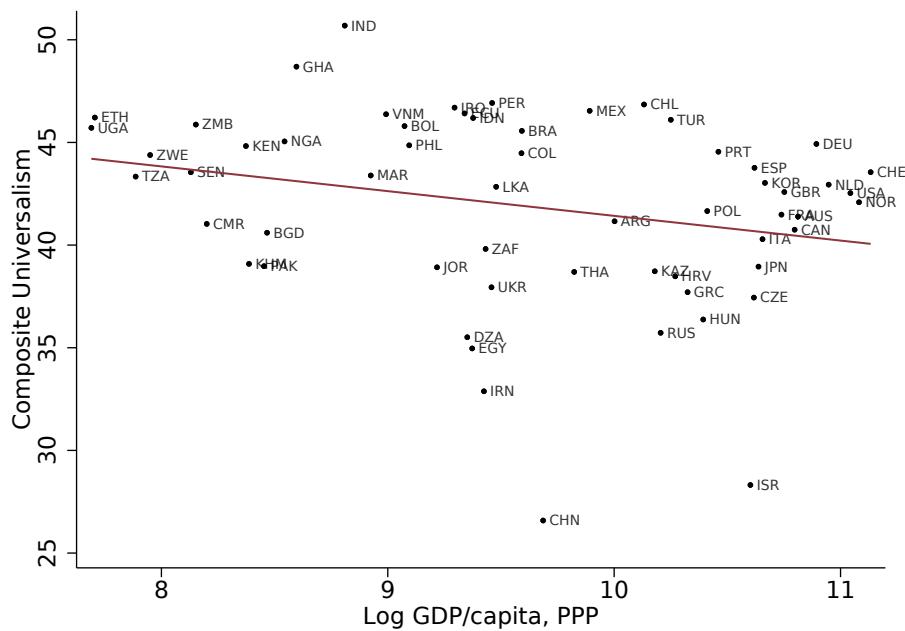


Figure D.8: Composite universalism and log GDP per capita. 0 Universalism means full in-group favoritism, 50 equal splits between the in- and out-groups, and 100 full out-group favoritism.

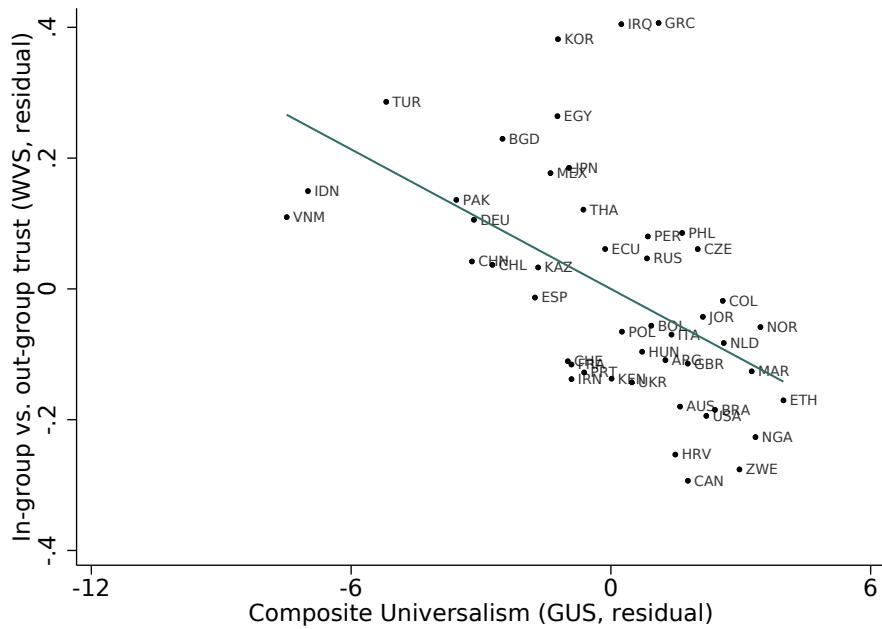


Figure D.9: Country-level added variable plot of the difference between in-group and out-group trust against composite universalism, controlling for log per capita income. The difference between in-group and out-group trust is computed based on World Values Survey questions that ask about trust in three in-groups (family, neighbors, people one knows) and three out-groups (strangers, foreigners, people of another religion).

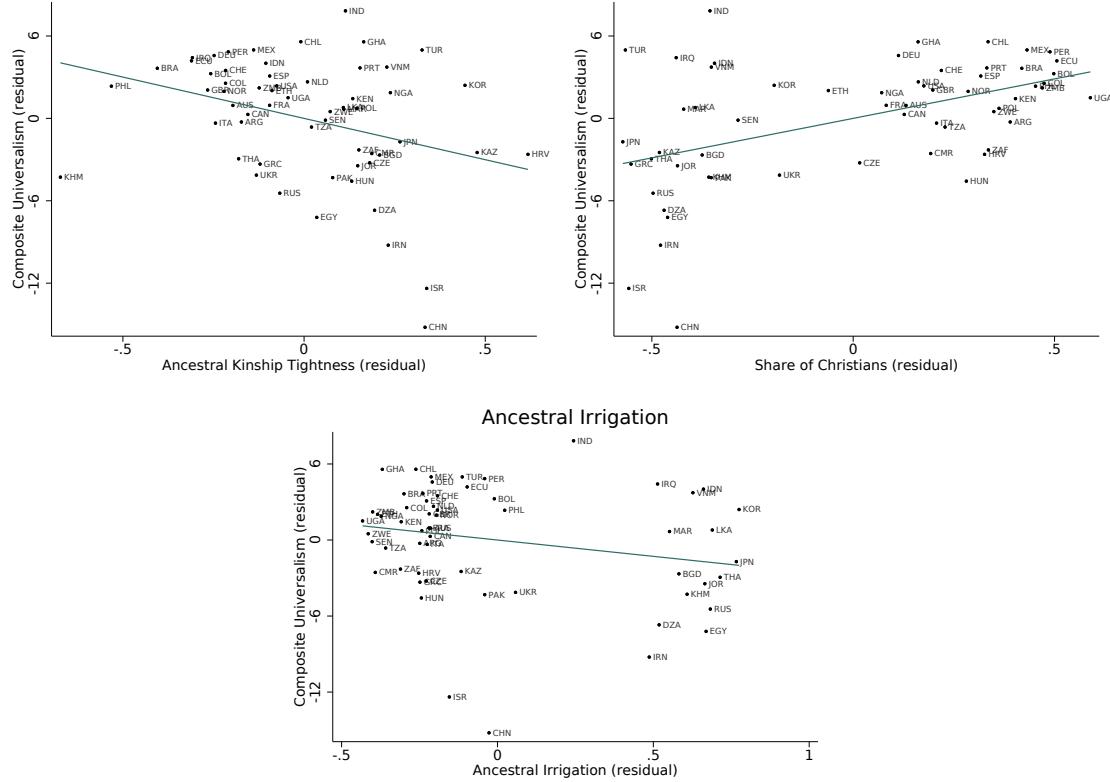


Figure D.10: Country-level added variable plots of the cross-country relationships between composite universalism and ancestral kinship tightness (top left panel), Christian share (top right panel) and ancestral irrigation (bottom panel). Each panel is constructed controlling for log per capita income. The share of Christians is from Barro (2003). Kinship tightness measures the tightness of extended family relationships of the ancestors of today's populations (Enke, 2019; Schulz et al., 2019). Ancestral irrigation captures how much the ancestors of today's populations relied on irrigation for the purposes of economic subsistence (Buggle, 2020). Both kinship tightness and ancestral irrigation practices are measured at the ethnicity-level in the Ethnographic Atlas (Murdock, 1967) and then mapped to contemporary country populations.

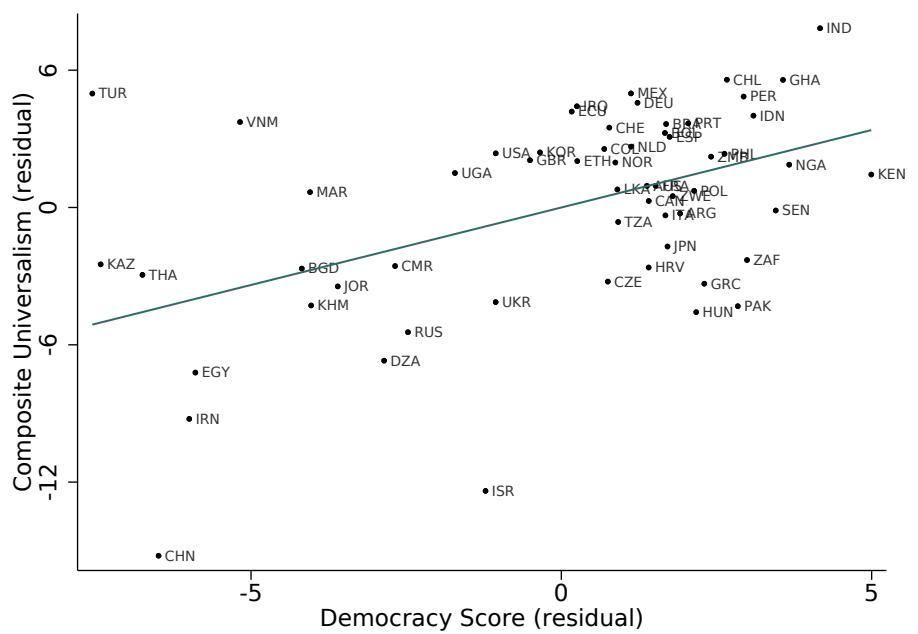


Figure D.11: Country-level added variable plot of composite universalism against democracy, controlling for log per capita GDP. The democracy score ranges from 0 to 10 and is taken from the Polity V dataset. It includes information on competitiveness of executive recruitment, openness of executive recruitment, constraint on chief executive and competitiveness of political participation.

D.2 Tables

Table D.1: Universalism and political views

	Reduce Inequality	<i>Dependent variable:</i>				
		Prioritize global vs. domestic		Pro immigrants		Weak military
		poor	environment	in area	in country	(6)
Domestic universalism / 100	0.13*** (0.04)	0.07** (0.03)	0.03 (0.04)	0.06 (0.04)	0.03 (0.04)	-0.06 (0.04)
Foreign universalism / 100	-0.05 (0.03)	0.33*** (0.03)	0.16*** (0.03)	-0.18*** (0.04)	0.08* (0.04)	0.22*** (0.04)
College education	-0.00 (0.02)	0.08*** (0.02)	0.12*** (0.02)	0.15*** (0.02)	0.15*** (0.02)	0.16*** (0.02)
Income quintile	-0.01 (0.00)	0.01*** (0.00)	0.01** (0.01)	0.01 (0.01)	0.01* (0.01)	0.02*** (0.01)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes
Demographic controls	Yes	Yes	Yes	Yes	Yes	Yes
Adjusted R^2	0.065	0.156	0.162	0.149	0.204	0.258
Observations	18528	18676	18478	21248	20951	18430

Notes. Estimates from OLS with robust standard errors, clustered at the sampling unit level. Universalism is divided by 100 for expositional ease. Each observation is an individual. See Section 2.5 for the wording of the political questions. Responses are coded as “Strongly agree”, “Somewhat agree”, “Somewhat disagree” and “Strongly disagree”. We transform these into values 1, 2, 3 and 4. We code all political variables such that our pre-registration predicts a positive correlation with universalism. Ordered probit regressions show very similar results. College education is an indicator. Income quintile is a variable with values 1–5. Appendix Table C.10 presents estimates controlling for religiosity (not included in the main analysis because it wasn’t elicited in five countries). * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table D.2: Exposure to democracy and universalism: Variation across country-age-cohorts

	Dependent variable: Universalism						
	Composite			Domestic		Foreign	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Lifetime average democracy score	0.11 (0.11)	0.12 (0.11)	0.04 (0.12)	0.15 (0.12)	0.13 (0.12)	0.10 (0.14)	-0.04 (0.14)
Lifetime average log GDP p/c		1.64 (1.09)	1.24 (1.14)	-0.15 (1.08)	-0.42 (1.12)	2.94** (1.34)	2.41* (1.41)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Age FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Demographic controls	No	No	Yes	No	Yes	No	Yes
Adjusted R^2	0.08	0.08	0.09	0.04	0.05	0.10	0.11
Observations	55323	55323	53826	54867	53391	53765	52332

Notes. OLS estimates of universalism on democracy exposure with robust standard errors, clustered at the level of 3,468 country-age cells. Exposure to democracy is constructed by taking the mean of the Democracy score time series in the Polity V database over the respondent's lifetime. Demographic controls include gender, income quintile fixed effects, college degree and an indicator for whether an individual lives in a big city. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table D.3: Exposure to democracy and universalism: Variation across migrants

	Dependent variable: Universalism						
	Composite			Domestic		Foreign	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)
Democracy score in home country	0.23* (0.12)	0.33** (0.14)	0.30** (0.14)	0.48*** (0.14)	0.49*** (0.14)	0.15 (0.19)	0.09 (0.19)
Log GDP p/c in home country		-0.20 (0.46)	-0.06 (0.49)	0.00 (0.50)	-0.07 (0.51)	-0.40 (0.63)	-0.15 (0.67)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Age FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Treatment FE	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Demographic controls	No	No	Yes	No	Yes	No	Yes
Adjusted R^2	0.08	0.08	0.08	0.06	0.06	0.08	0.08
Observations	2741	2451	2412	2424	2387	2398	2363

Notes. OOLS estimates of universalism on democracy in a migrant's country of origin. Standard errors are clustered at the level of 151 countries of origin. Demographic controls include gender, income quintile fixed effects, college degree and an indicator for whether an individual lives in a big city. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

Table D.4: Decomposition of demographic differences in universalism

	Dependent variable: Composite Universalism					
	Baseline		Moral		Full sample	
	(1)	(2)	(3)	(4)	(5)	(6)
Above median age	-0.91*** (0.24)	-0.90*** (0.24)	-1.01*** (0.25)	-1.05*** (0.25)	-0.90*** (0.24)	-0.90*** (0.24)
Male	-2.33*** (0.28)	-2.21*** (0.28)	-1.40*** (0.26)	-1.25*** (0.26)	-2.29*** (0.28)	-2.17*** (0.28)
<i>Moral</i>					-0.05 (0.24)	-0.10 (0.24)
Above median age \times Moral					-0.12 (0.31)	-0.16 (0.31)
Male \times Moral					0.84*** (0.32)	0.88*** (0.32)
Country FE	Yes	Yes	Yes	Yes	Yes	Yes
Demographic controls	No	Yes	No	Yes	No	Yes
Adjusted R^2	0.08	0.09	0.08	0.09	0.08	0.09
Observations	31670	30863	32118	31317	63788	62180

Notes. Individual-level OLS estimations of composite universalism on demographic variables and their interactions with an indicator for the *Moral* treatment. Standard errors (in parentheses) are clustered at the sampling unit level. Controls include college degree, urban residence, and income quintile fixed effects. * $p < 0.10$, ** $p < 0.05$, *** $p < 0.01$.

E Variable Descriptions for Country-Level Variables

In-group minus out-group trust: Computed based on World Values Survey Data. First compute average trust in in-groups (family, neighbors and people one knows) and average trust in out-groups (strangers, foreigners, people of another religion). Then compute difference.

Kinship tightness score: The Kinship tightness variable from Enke (2019) which captures the strength of ancestral kinship ties at the country level.

Ancestral irrigation: Variable taken from Buggle (2020), captures how much the ancestors of today's populations relied on irrigation for subsistence.

Family ties: Constructed using the methodology described in Alesina and Giuliano (2013). Using data from the 3rd and 4th waves of the World Values Survey, we focus on the three questions represented by the variables V4, V13, V14. The final variable is the first principal component of these three variables, averaged at the country level.

Democracy: This is a score from 0 to 10 with 10 being the most democratic (insofar as that can be defined and indexed). The elements of this index are: Competitiveness of Executive Recruitment, Openness of Executive Recruitment, Constraint on Chief Executive and Competitiveness of Political Participation. Taken from Polity V dataset.

Gini index: This is the Gini index, using the most recent value that is available for each country in the World Bank WDI database.

Share Christians This is the share of Christians in a country. Data taken from Barro (2003).

Development Aid: Official Development Assistance as a percent of Gross National Income. Data from OECD/WDI. This variable is only available for a few countries in the sample.

Environmental Indices: Environmental health, Ecological Vitality and the Environmental Performance Index are drawn from the 2020 release of the Environmental Performance Index.

Property Rights: We use measures of property rights and other governance indicators from the Quality of Governance data set (2021 release).

Years of Schooling: We use the data collected by Barro and Lee (2012).

Family Ties: We construct a measure of family ties by collating various waves of the World Values Survey. Following the procedure in Alesina and Giuliano (2013), our measure is the first principal component of V4 (Importance of family), V13 (Respect and love for parents) and V14 (Parents responsibilities to their children).

Government transfers: We use the transfers series from the World Development Indicators.

Religion: We use the country shares of each religion from the Barro (2003) data set.

Relative Trust: The variable is constructed using the trust questions in the World Values Survey. We take difference between the average of trust towards family/neighbors/personal acquaintances and the average of trust towards foreigners/people belonging to other religions/people met for the first time.

Cousin Marriage: This is taken from the country level data set used in Schulz (2022). We use the log of cousin marriage percentage at the country level.

F Model to Motivate Decomposition Exercise

Consider a decision-maker (DM) j who is tasked with allocating a normalized endowment of \$1 between an in-group member and a stranger. Denote by x_j the amount that DM j allocates to the in-group. The DM has preferences that are represented by group-specific altruism weights $\alpha_{i,j}$ (for in-group) and $\alpha_{s,j}$ (for socially more distant strangers). We denote their difference by $\alpha_j := \alpha_{i,j} - \alpha_{s,j}$. This preference parameter captures that the DM may care more (or less) about their in-group than a stranger.

Aside from altruism preferences, the DM also has a subjective moral view $M_j \in [0, 1]$ that determines which allocation to the in-group he considers morally right. The DM suffers disutility from behaving in ways that deviate from his moral view. We assume that total utility is given by

$$U_j = \alpha_{i,j}x_j + \alpha_{s,j}(1 - x_j) - \frac{\gamma_j}{2}(x_j - M_j)^2, \quad (2)$$

where $\gamma_j > 0$ scales the importance of behaving in line with the moral view relative to the DM's altruism weights. The optimal allocation decision is

$$x_j^{Baseline} = M_j + \alpha_j / \gamma_j. \quad (3)$$

This has a simple interpretation, according to which the DM's allocations deviate from their moral views to the extent that they have group-specific altruism, weighted by how much importance they place on it relative to their moral views.

In treatment *Moral*, we ask respondents to make an allocation based purely on what they consider morally right. Therefore, we assume that the decisions in the *Moral* treatment identify the moral view of the DM, $x_j^{Moral} = M_j$. As a result, the treatment difference is given by:

$$x_j^{Baseline} - x_j^{Moral} = \alpha_j / \gamma_j \quad (4)$$

Decomposing cross-group differences. Now consider two DMs, $j = A$ and $j = B$. These could either represent groups of individuals that differ in their demographics, or the average individual in two different countries. The difference in allocation decisions in *Baseline* between these two individuals (or groups) is:

$$\underbrace{x_A^{Baseline} - x_B^{Baseline}}_{\text{Difference in behavior in } Baseline} = \underbrace{(M_A - M_B)}_{\substack{\text{Difference in moral views} \\ = \text{Difference in behavior in } Moral}} + \underbrace{(\alpha_A / \gamma_A - \alpha_B / \gamma_B)}_{\substack{\text{Difference in scaled relative altruism weights} \\ = \text{Difference in treatment effect}}} \quad (5)$$

This expression is helpful because it decomposes cross-group differences in behavior into observables that capture differences in moral views and (scaled) altruism weights. Specifically, systematic heterogeneity in universalism in the population (e.g., gender differences or differences across countries) reflects (i) differences in moral views to the degree that behavior in *Moral* differs and (ii) differences in (scaled) relative altruism weights to the degree that there are heterogeneous treatment effects.