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Exchange

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In recent years, scholars of public opinion and democracy have noted two disturbing trends. First, across many countries satisfaction with democracy's performance has been declining. Second, while support for democracy as a system of government remains overwhelmingly high compared to any alternative, levels of democratic support have steadily, if rather gradually, slipped (Figure 1). These findings have sparked debate, including contentions over their possible relation to other recent trends such as the rise of populism, authoritarianism, and democratic backsliding. The findings are also what led us, five years ago, to float the notion of democratic deconsolidation—the now fairly uncontroversial idea that, just as democracies can consolidate when elites and the public embrace liberal-democratic norms, so too can democracies "deconsolidate" once such norms begin to fray.²

In the April 2021 issue of the *Journal of Democracy*, Christian Welzel argues that scholars of democracy and public opinion should look not at commonly fielded questions that ask citizens how they feel about the performance and value of democratic institutions in their countries, but should instead focus on survey items that probe attitudes about such topics as abortion, divorce, women's rights, and approaches to parenting.³ If Welzel is correct, then we can all stop worrying about such unsettling

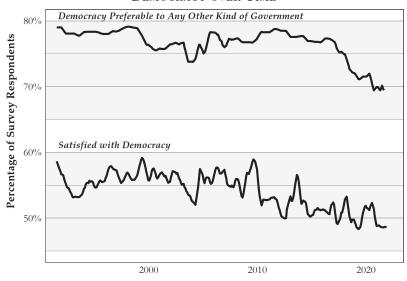


FIGURE 1—CHANGES IN SUPPORT FOR AND SATISFACTION WITH DEMOCRACY OVER TIME

Source: HUMAN Surveys project/Cambridge Centre for the Future of Democracy.

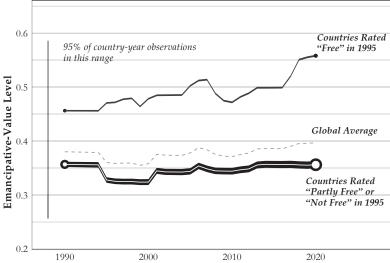
Note: Population-weighted averages across 50 democracies rated as "Free" by Freedom House at the start of the series (1995). Data from 4275 separate country-surveys across 61 sources from January 1994 to November 2021.

recent phenomena as authoritarian resilience and learning, affective polarization and populism, or the effect of inequality on democratic stability. A democratic future is at hand, he says, and he has the survey data to prove it. But are his claims true?

Measuring the Demand for Democracy

The thought that democratic values are essential to democratic flourishing is a venerable idea in the social sciences. For decades, scholars have worked to design surveys that can measure the values, beliefs, and behaviors crucial to both democratic transition and democratic functioning. The field's first landmark book was Gabriel Almond and Sidney Verba's *The Civic Culture* (1963), to which we can add other milestone texts such as Ronald Inglehart's *The Silent Revolution* (1977) and Robert Putnam's *Making Democracy Work* (1993). Scholars have broadly accepted many of this literature's claims. These include the argument that the spread of socially liberal values led to the breakthrough of new leftwing parties in Western Europe starting in the 1970s, and the proposition that the performance of local democratic institutions hinges on citizen involvement and engagement. Welzel works in and extends this scholarly tradition. Yet we must ask, do his researches and measurements justify the conclusion that a fourth wave of democratization is on the horizon? We

FIGURE 2—CHANGE IN EMANCIPATIVE VALUES, DEMOCRACIES VS. NON-DEMOCRACIES



Source: World Values Survey and Freedom House.

Note: Population-weighted averages, by category subgroup. Constant country sample using most proximate available observation used in each year for each country. Sample only includes countries with at least a 15-year span of data, with 88 percent of countries having at least a 20-year span. Thickness of lines proportionate to population in each subgroup.

see problems that can be said to be of three kinds: empirical, conceptual, and methodological.

To begin with the empirical, the first problem is that across the world, the entire observed increase in Welzel's index of "emancipative" values has occurred in countries that are *already* democratic. Countries that are not democratic have shown zero increase in the shares of their citizens who hold such values (see Figure 2). Thus if we take at face value the claim that Welzel's index can predict changes in political values and institutions, the conclusion we should draw is not that there will be a fourth wave of democratization, but rather that the world has split into two blocs—countries that share in Western liberal norms, on the one hand, and countries that reject such values, on the other. As far as geopolitical predictions go, this could have been highly prescient. It would also have echoed Pippa Norris and Ronald Inglehart's observation seventeen years ago that there is not only a growing global values divide, but little aggregate movement toward more secular attitudes, as a result of faster demographic growth in more religious and hence socially conservative societies.⁵

The second problem concerns the logic of the thesis itself. Why should changing attitudes regarding abortion, divorce, or gender rights predict democratic transitions? The implicit assumption is that socially progressive attitudes are not simply one set of beliefs among others competing

Poland, 1990 Communist Bloc Voters Hungary, 1991 Opposition-Party Voters Venezuela, 2000 Russia, 2008 Egypt, 2013 Postauthoritarian-Party Voters Tunisia, 2013 Revolution-Party Voters Pro-Musharraf Voters

Opposition-Party Voters Pakistan, 2001 Zimbabwe, 2012 ZANII-PF Voters Democratic Progressive Voter Taiwan, 1998 South Africa, 1990 Chile, 1990 Pro-Pinochet-Party Voters Mexico, 1996 Belarus, 1990 Communist Bloc Voters Singapore, 2020 Czech Republic, 1991 Communist Bloc Voters 0.2 0.3 0.4

FIGURE 3—EMANCIPATIVE VALUES BY PARTY SUPPORT

Emancipative-Values Index Among Indicated Voters

Source: World Values Survey.

Note: Mean values shown by points, 90-percent confidence intervals shown in error bars.

in the democratic arena, but instead form a coherent and culture-invariant array of convictions that are of core significance to democracy itself.⁶ Yet when we examine survey data from countries that have recently undergone shifts toward democracy, we find no clear global pattern, with as many cases in which supporters of opposition parties hold attitudes that are *less* emancipative than those held by supporters of authoritarian regimes and movements. Furthermore, even where opposition-party supporters do hold more emancipative value orientations than supporters of the regime, these differences are often either small (as in Singapore) or lack statistical significance altogether (as in the Czech Republic, Taiwan, and Zimbabwe). In many instances authoritarian-party supporters hold more socially progressive values, for example, in most communist regimes, in contemporary Venezuela, and also in many authoritarian regimes in the Arab Middle East (see Figure 3).

We suggest that the key variable is whether the authoritarian regime or movement is socially conservative. If it is, then movements opposing it are likely to line up on the "other side" by espousing progressive values. Yet in many transitional democracies in Eastern Europe, South and Southeast Asia, and the Middle East, the push for democratization comes from parties that are more socially conservative than supporters of prevailing communist, military, or Arab-nationalist regimes. The supporters

of *these* opposition movements rank lower on the emancipative-values index. This should not be surprising, since that index gauges progressive attitudes toward marriage, reproductive choice, and women's rights—all attitudes that communist and other secular parties, whether authoritarian or democratic, have long promoted. Is this a problem for democratic transition? In Central and Eastern Europe aside from Hungary and Poland, postcommunist regimes have maintained their democratic trajectories while having civic oppositions that proclaim socially conservative values. And as the example of Hugo Chávez's Venezuela shows, democracy can be undermined by a political movement with a socially progressive agenda.

This in turn points to a broader problem, which is the poor record that measures of socially liberal values—in comparison to conventional measures of democratic support—have at predicting either democratic transition or democratic consolidation.⁷ Testing the power of the emancipativevalues index to predict changes in democracy since its publication, we find it to be little better than if we had made random guesses (see Online Appendix, Figure A4). When Welzel published his index of emancipative values in 2013,8 the countries with a surplus of such values relative to their prevailing levels of civic rights included Belarus, Kazakhstan, and Russia. These three countries all had a communist legacy, which could explain their more secular outlook, including more progressive attitudes on matters of gender, abortion, and divorce. All three have since seen major authoritarian crackdowns while at the same time remaining static or declining on the index of emancipative social values. Nor has there been much validation for earlier predictions, such as the 2005 claim that "Singapore will fully adopt democracy within the [next] ten years," while China and Vietnam would follow suit "within the next fifteen to twenty years."9

Meanwhile, if a shortage of emancipative values relative to civic rights is supposed to be predictive, the countries most at risk of democratic regression should have been the Republic of Ireland and Portugal. Each country has a Catholic tradition, and hence lower scores on the index, yet neither has seen any backsliding away from democracy. Since the relationship between emancipative values and future democratic trajectories is essentially flat, it is only by picking isolated cases that one can sustain the thesis that the two are somehow linked. This brings us to the third problem, which concerns the methodology behind the index. The predictive capacity of the emancipative-values index is in doubt, but it remains true that there is a high cross-sectional correlation between Welzel's index and levels of democracy as measured by projects such as that of Freedom House. Does this correlation exist because of some deeper long-term causal relationship between emancipative values and democracy, or is there some other and better explanation of what is going on? We drew randomly from the pool of all possible survey items that could have been used to construct a measure of liberal values (this process

Original Emancipative-Values Index

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FIGURE 4—POSITION OF THE ORIGINAL EMANCIPATIVE-VALUES INDEX IN THE DISTRIBUTION OF POSSIBLE INDICES

Correlation Coefficients of All Possible (Bootstrap) Emancipative-Values Indices with Freedom House Combined Democracy Index

Note: Among a sample of 20,000 randomly generated emancipative-values indices that could have been constructed from the World Values Survey, the original Emancipative-Values Index is at the 99th percentile with respect to its correlation with democracy, as measured by the combined Freedom House scores. This suggests that the high fit is due in part to item selection.

is called "bootstrapping"), so as to check whether the high correlation reported between the emancipative-values index and liberal democracy reflects a broader pattern or is more likely a fluke of survey design.

In order to explain our test, an example will be helpful. Welzel includes in his "autonomy" category just three items based on the values that respondents think children should learn. Instead of limiting things to those items, we allowed the algorithm to select three items not only from among those three, but also from among all the other survey measures that would be conceptually valid for such a purpose, such as agreement with the statements "I consider myself an autonomous individual" or "people should take more responsibility for themselves." We then repeated this process at scale, generating tens of thousands of potential variants of the index to cover every possible permutation, including many that are similar to Welzel's chosen selection of items.

The results have led us to place a great deal less confidence in the index than Welzel does (Figure 4). Among all the many thousands of potential indices that could plausibly measure emancipative values, only a handful approach the degree of correlation with democracy that Welzel presents in his charts. That is, even if we deliberately "force" or mine

the data to find a measure that is, to the maximum extent possible, correlated with democracy, we struggle to find an instrument for which this is more the case than Welzel's chosen index.

How to explain this? We suspect this may be a case of unintentional selection bias. Scholars working in a particular field develop an intuition for which items "work" best to correlate with explanatory outcomes (such as liberal democracy), and which show greater movement over time (such as the fact that tolerance toward sexual minorities has increased, though not tolerance toward migrants or ethnic minorities). Is it too much to think there could have been a degree of subconscious gravitation toward survey items that correlate the most fully with democracy, such that these survey items come to dominate the index? If so, the putative relationship between the index and democracy is, in part, a byproduct of its construction.

This finding could, however, account for the results presented in Welzel's recent article. First, the high degree of fit between his emancipative-values index and democracy is a result of item selection, rather than any causal relationship. Second, the result of such "overfitting" is that by default, the point of highest correlation is in the present, while past levels of democracy correlate more weakly, which produces gradual "convergence" over time—thereby creating the impression that gaps in the past are predictive of democratic transitions. And finally, it is this same design flaw that explains why the index lacks predictive capacity, in spite of the high cross-sectional correlation with democracy.

Partial Answers

Welzel's recent contribution to the *Journal of Democracy* touches on an important contemporary debate, however, concerning the duration of the current democratic recession, and at what point it might be followed by a fourth wave of democratization. We consider that the appearance of such a wave is not only possible, but even likely in the years ahead. Indeed, we have explicitly considered its prospects in several recent articles in these pages. What we doubt is not whether a fourth wave of democratization is coming, but whether predictions based on indices of socially liberal attitudes are going to tell us anything about the timing or location of its advent.

If Singapore eventually becomes a liberal democracy, as Welzel has predicted it should be by now, this will not happen because of changing attitudes about abortion or divorce. Instead, it will occur on account of specific and contingent factors—a split in the ruling party, for instance, or a scandal big enough to carry the opposition to an electoral breakthrough, as seen in neighboring Malaysia in 2018. And if the democratic form of governance has continued to expand across the world and may continue to do so, a far simpler explanation may be that offered by Adam Przeworski

and Fernando Limongi almost a quarter-century ago: Democracies are less prone to breakdown than are autocracies.¹¹ As one of us put it in these pages in 2021, "democratic consolidation may be hard, but authoritarian

consolidation is much harder."12

We do not believe that survey research offers any basis for making broad social predictions. Precisely because we do not believe that survey research offers any basis for making broad social predictions, we do not have any grand theory to offer in opposition to Welzel's. We began by citing two indicators—one of satisfaction with democratic governance and one of support for it—but we recognize that they are only indicators. They can point out useful directions for fu-

ture research, but little more. It may well be that beneath the surface, these measures hide a more fundamental shift in civic values that is supportive of liberal-democratic institutions, but to prove that we would need to throw ourselves in to new fields of public-opinion research. We would have to examine changes in political polarization, the value that people ascribe to basic civil liberties, or the strength with which they support media independence and a politically impartial judiciary. In the meantime, a more thorough research agenda is required to address the substantive questions of how these indicators might be related to political behavior, democratic institutions, and prospects for democratic transition.

The good news is that since our initial exchange with Welzel in 2017, 13 scholars interested in the future of democratic governance have made strides toward understanding such key topics as social media and affective polarization; the links between inequality, state capacity, and populism; the nature and consequence of authoritarian "sharp power"; and the modes and patterns of authoritarian legitimation.¹⁴ Similarly, opinion researchers have made extensive efforts to expand the range and resolution of data on satisfaction with and support for democratic systems of governance. 15 As a result, the scope of what we do not know has narrowed steadily, even if the scope of remaining questions remains vast. For in the social sciences, progress is not made by buttressing old theories, but by deliberately studying trends and events that are the most anomalous and challenging in relation to our understanding of the world. This pursuit of progress requires humility and patience. We move forward not by pretending to have the answers, but by starting from an admission of what we do not know, so that research questions can be formed and scholarship can proceed.

NOTES

1. See Sheri Berman, "The Causes of Populism in the West," *Annual Review of Political Science* 24 (May 2021): 71–88, and Christopher Claassen, "In the Mood for Democ-

- racy? Democratic Support as Thermostatic Opinion," *American Political Science Review* 114 (February 2020): 36–53.
- 2. Roberto Stefan Foa and Yascha Mounk, "The Danger of Deconsolidation: The Democratic Disconnect," *Journal of Democracy* 27 (July 2016): 5–17.
- 3. Christian Welzel, "Why the Future is Democratic," *Journal of Democracy* 32 (April 2021): 132–44.
- 4. Ronald Inglehart, *The Silent Revolution: Changing Values and Political Styles Among Western Publics* (Princeton: Princeton University Press, 1977); Gabriel L. Almond and Sidney Verba, *The Civic Culture: Political Attitudes and Democracy in Five Nations* (Princeton: Princeton University Press, 1963); Robert D. Putnam, *Making Democracy Work: Civic Traditions in Modern Italy* (Princeton: Princeton University Press, 1993).
- 5. See Pippa Norris and Ronald Inglehart, Sacred and Secular: Religion and Politics Worldwide (Cambridge: Cambridge University Press, 2004).
- 6. Boris Sokolov, "The Index of Emancipative Values: Measurement Model Misspecifications," *American Political Science Review* 112 (May 2018): 395–408.
- 7. Christopher Claassen, "Does Public Support Help Democracy Survive?" *American Journal of Political Science* 64 (January 2020): 118–34.
- 8. Christian Welzel, Freedom Rising: Human Empowerment and the Quest for Emancipation (New York: Cambridge University Press, 2013).
- 9. Ronald Inglehart and Christian Welzel, *Modernization, Cultural Change, and Democracy: The Human Development Sequence* (New York: Cambridge University Press, 2005), 161, 155–56.
- 10. See Yascha Mounk, "The End of History Revisited," *Journal of Democracy* 31 (January 2020): 22–35; and Roberto Stefan Foa, "Why Strongmen Win in Weak States," *Journal of Democracy* 32 (January 2021): 52–65.
- 11. Adam Przeworski and Fernando Limongi, "Modernization: Theories and Facts," World Politics 49 (January 1997): 155–83.
- 12. The quoted words are from Foa, "Why Strongmen Win," 64. See also Roberto Stefan Foa, "Modernization and Authoritarianism," *Journal of Democracy* 29 (July 2018): 129–40.
- 13. See the "Online Exchange on 'Democratic Deconsolidation'" published by the *Journal of Democracy*, 26 April 2017, www.journalofdemocracy.org/online-exchange-democratic-deconsolidation.
- 14. See Nathaniel Persily and Joshua A. Tucker, eds., *Social Media and Democracy: The State of the Field, Prospects for Reform* (New York: Cambridge University Press, 2020); Milan Svolik, "Polarization versus Democracy," *Journal of Democracy* 30 (July 2019): 20–32; Christopher Walker, "What Is 'Sharp Power'?" *Journal of Democracy* 29 (July 2018): 9–23; Marlene Laruelle, "Making Sense of Russia's Illiberalism," *Journal of Democracy* 31 (July 2020): 115–29.
- 15. See Lisa Zanotti and José Rama, "Support for Liberal Democracy and Populist Attitudes: A Pilot Survey for Young Educated Citizens," *Political Studies Review* 19 (August 2021): 511–19; Christopher Claassen, "Estimating Smooth Country-Year Panels of Public Opinion," *Political Analysis* 27 (January 2019): 1–20; Roberto Stefan Foa et al., *The Global Satisfaction with Democracy Report* 2020 (Cambridge: Centre for the Future of Democracy, 2020).

Online Appendix – Why the Future Cannot Be Predicted

1. Time-Series Trends in the Emancipative Values Index

In order to construct a panel that allows for intertemporal comparison, we pool all countries in the World Values Survey for which at least a 15-year span of data is available between 1995 and 2020. Of the 74 countries that meet this criterion, 65 have data spanning more than 20 years, while just 9 have data spanning 15-20 years. The exclusion of countries without a wide span of observation is done so as to prevent country selection from artificially deflating the magnitude of changes in values over time. A panel is then constructed for all years and all countries (subject to the above restriction), entering the most recent available survey data for each country-year. This ensures that the sample of countries remains constant, and that changes in average scores over time are not due to the entry or exit of countries from the sample.

Do rising emancipative values predict a future wave of democratization? A minimal criterion for this to be true, would be that such values are rising in countries that may transition to democracy in future. However, there is no time series increase in the Emancipative Values index among such cases.

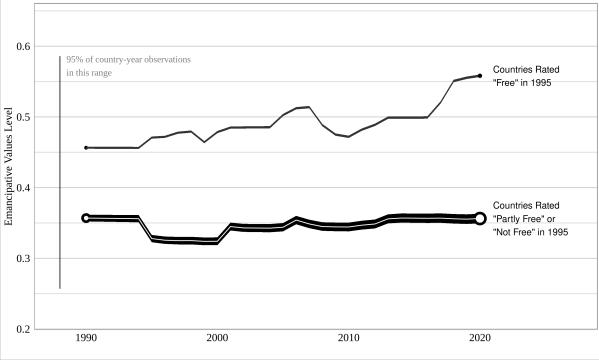


Figure A.1: Emancipative Values Index Over Time, Democracies vs. Non-Democracies

Notes: Population-weighted country average of the Emancipative Values index, using constant country sample. Thickness of lines proportionate to size of population in each grouping. Of the countries in the "Free" category, the largest contributors by 2021 population are the United States (27%), Japan (10%), Germany (7%), France (5%), the United Kingdom (5%), Italy (5%), South Africa (5%), South Korea (4%), Spain (4%), Argentina (4%), Canada (3%) and Australia (2%).

Figure A.1 shows the changes over time in the Emancipative Values index among two sets of

¹These countries are: Greece (18 years), Guatemala (16 years), Indonesia (17 years), Jordan (17 years), Kyrgyzstan (17 years), Singapore (18 years), Vietnam (19 years), Zimbabwe (19 years) and Egypt (17 years).

countries: those which were democracies in 1995 (rated at the time as "free" by Freedom House)² and countries that were in transition or under authoritarian rule (rated as "partly free" or "not free").³ While countries that were already democracies by the mid-1990s have seen an increase in the Emancipative Values score, no such increase exists, on average, among the non-democracies or partial democracies of that period.

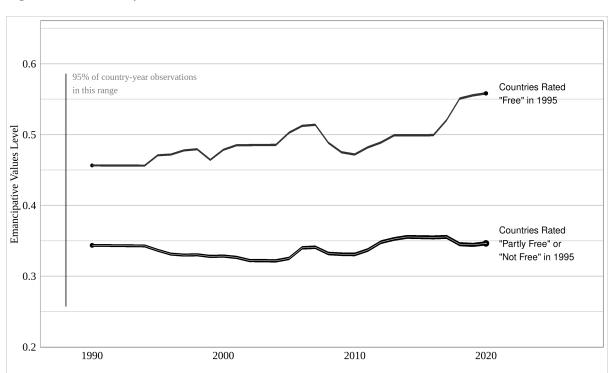


Figure A.2: Emancipative Values Index Over Time, Democracies vs. Non-Democracies (Excluding India and China)

Notes: Population-weighted country average, using constant country sample. Line thickness proportionate to size of population in each grouping. The grouping of countries in the "Partly Free" and "Not Free" category excludes India (rated "Partly Free" in 1995) and China (rated as "Not Free"), which due to their large populations, would otherwise account for the majority of the population-weighted sources within this category (57% of the population of this grouping as of 2021). Of the remaining countries in this category, the largest contributors by population are Indonesia (13%), Pakistan (11%), Brazil (10%), Nigeria (10%), Bangladesh (8%), Russia (7%), Mexico (6%), Egypt (5%), the Philippines (5%), Vietnam (5%), Iran (4%), Turkey (4%), Ukraine (2%) and Colombia (2%).

The averages in Figure A.1 are population-weighted, and this may lead us to suspect that especially populous countries – and in particular, India and China – exert undue leverage over trend averages. Therefore Figure A.7 shows the same estimates, except this time, excluding both India and China from the sample. While the population of the "not free" series is substantially reduced as a result of this change, the trend lines are not: there is no increase over time in the Emancipative Values index among the "potential" democratizing countries of the 1990s.

An important limitation of our critique is that we are constrained to using only real data. In

²Countries rated as "free" in 1995: Norway, Switzerland, Belgium, Iceland, France, Italy, Spain, Greece, Portugal, Ireland, Netherlands, Denmark, Germany, Sweden, Finland, Austria, Malta, Bulgaria, Czech Republic, Estonia, Hungary, Lithuania, Latvia, Poland, Romania, Slovakia, Slovenia, United States, United Kingdom, Canada, Australia, New Zealand, South Africa, Argentina, Bolivia, Chile, Japan, South Korea, Uruguay.

³Countries rated at that time as "partly free" or "not free" in 1995: Albania, Armenia, Azerbaijan, Bangladesh, Belarus, Bosnia, Brazil, China, Colombia, Croatia, Egypt, Georgia, Guatemala, Hong Kong, India, Indonesia, Iran, Iraq, Jordan, Kyrgyzstan, Mexico, Montenegro (Serbia), Nigeria, North Macedonia, Pakistan, Peru, the Philippines, Russia, Serbia, Taiwan, Turkey, Ukraine, Vietnam, Zimbabwe.

his article Welzel cites the use of additional "data from the 1970s and 1980s" which can show that "Argentina, Chile, Czechoslovakia, East Germany, Hungary, the Philippines, South Africa, and Uruguay were more aligned with democracy than their governing institutions." This claim is puzzling, as the Philippines and Uruguay were first included in the World Values Surveys in 1996, the Czech Republic in 1991, and Chile in 1990, while no countries were surveyed at all prior to 1981. On closer inspection it seems this "data" refers to not actual surveys but rather to values imputed to the past. Yet if these same imputation models would predict value-change following the initial country survey, they must be incorrect, because this did not occur (Table 1).

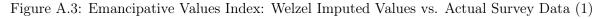
Table 1: Changes in the Emancipative Values Index, 1990-2021

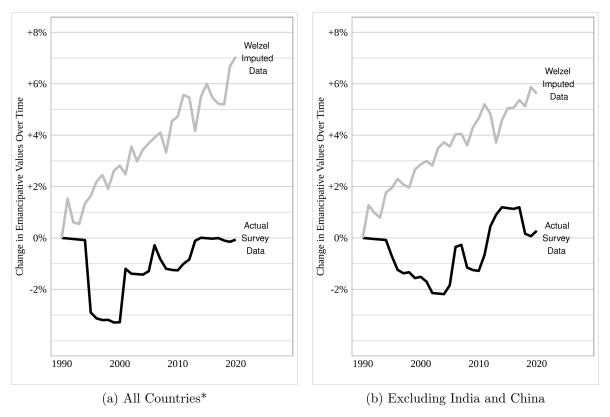
Country	First Survey	Latest Survey	Change
Armenia	0.34	0.32	-0.02
Azerbaijan	0.33	0.36	0.03
Bangladesh	0.38	0.30	-0.09
Bosnia	0.36	0.41	0.04
Brazil	0.37	0.47	0.09
Belarus	0.41	0.41	0.00
Colombia	0.29	0.43	0.14
China	0.41	0.39	-0.02
Egypt	0.29	0.23	-0.06
Georgia	0.32	0.35	0.02
Guatemala	0.40	0.45	0.04
India	0.30	0.34	0.03
Indonesia	0.32	0.32	0.00
Iran	0.31	0.33	0.03
Jordan	0.22	0.26	0.04
Kyrgyzstan	0.38	0.28	-0.09
Mexico	0.43	0.44	0.01
Montenegro	0.37	0.41	0.04
Nigeria	0.30	0.27	-0.03
Pakistan	0.26	0.24	-0.02
Peru	0.40	0.40	0.01
Philippines	0.37	0.38	0.01
Russia	0.38	0.40	0.02
Serbia	0.40	0.41	0.01
Singapore	0.40	0.45	0.05
Turkey	0.38	0.36	-0.02
Ukraine	0.36	0.41	0.05
Vietnam	0.33	0.40	0.07
Zimbabwe	0.30	0.31	0.01
Average (Equal-Weighted)	0.35	0.36	0.01

Notes: Changes in the Emancipative Values Index among countries rated "Partly Free" or "Not Free" by Freedom House in 1995, from first available survey (since 1990) to most recent available survey, among all countries with at least a fifteen-year span of data.

2. Discrepancy Between Imputed and Actual Emancipative Values

This discrepancy merits further investigation. If the actual survey data shows no increase over time in socially progressive values among the partially or non-democratic countries of the mid-1990s, then how does Welzel present charts suggesting this to be the case? The answer is by not presenting the actual survey data, but instead, re-estimating the data via an imputation methodology that generates a rising trend that was not originally present (Figure A.3).





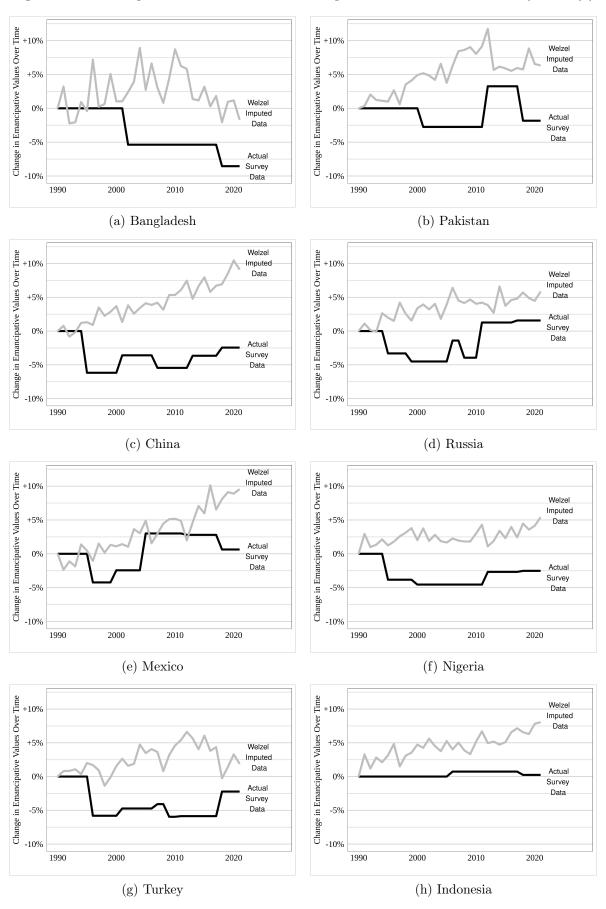
^{*} Sample of all countries with the potential for democratization (not rated as "free" by Freedom House in 1995).

Notes: Comparison of trends over time in the Emancipative Values index, between the original survey data (black) and Welzel's re-estimated version (grey). All lines are population-weighted averages. Due to the leveraging effect of India and China, the second chart (right) shows the comparison once these two countries are excluded.

How can the two series be so divergent? The answer becomes clear once we see how the imputed series was constructed. Welzel first attributes the entirety of current age differences as a cohort effect, and then adds on top of this an adjustment such that, for each passing year, a country receives an automatic increase over and above the estimated level. The rising trend is therefore a product of construction. No empirical data could ever not show a long-term rising trend in Emancipative Values after being reprocessed via such a method. To see why this is a problem, consider Figures A.4, which show actual data against Welzel's imputed values among eight major developing countries. Declining trends are reprocessed into rising ones, making the thesis of "rising" Emancipative Values unfalsifiable by design.

As noted, Welzel relies on estimates from this imputation method to construct a time-series prior to 1980s. We are unable to conduct the same comparison of imputed vs. actual data during this earlier period, so can only assess the results upon their face validity. That said, the results raise some interesting questions. According to the results, societal attitudes on issues

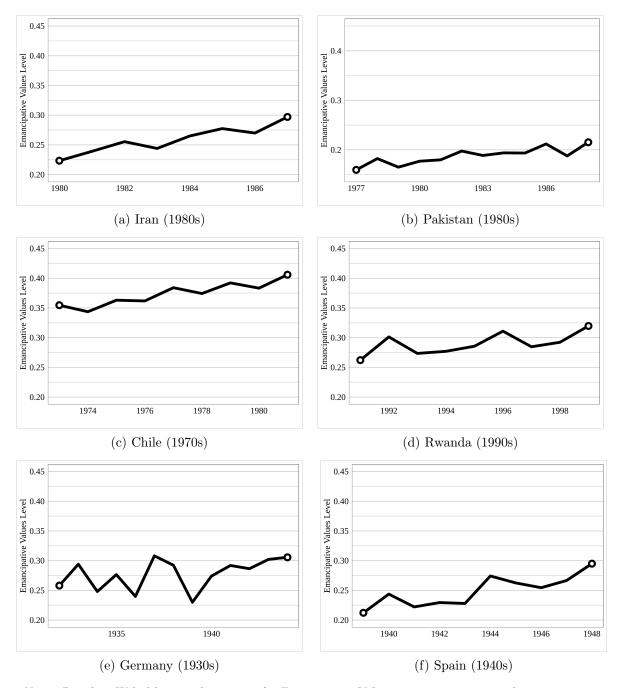
Figure A.4: Emancipative Values Index: Welzel Imputed Values vs. Actual Survey Data (2)



Notes: Comparison of trends over time in the Emancipative Values index, between the original survey data (black) and Welzel's re-estimated version (grey). After re-estimation, declining trends are transformed to positive ones.

such as women's rights and democracy became more socially progressive in the decade following Franco's ascent to control over Spain, during the first decade of the Islamist regime in Iran, in Pakistan during the military dictatorship of Zia ul-Huq, in Latin America following military coups of the 1970s, and Rwanda during the civil war and genocide of the 1990s.

Figure A.5: Authoritarian Regime Transition and Rising Estimated Emancipative Values



Notes: Based on Welzel historical estimates for Emancipative Values, projecting current cohorts to age 25.

Moreover, Welzel estimates that societal attitudes on gender, democracy and human rights are more liberal in contemporary Saudi Arabia than they were in interwar Sweden or postwar America. Without being able to go back in time, we cannot disprove this; though it may offer a good example of why linearly projecting trends half a century before data collection is generally best avoided.

3. Predictive Track Record of the Emancipative Values Index

Welzel asserts that the Emancipative Values index is predictive of shifts in democracy, including some of recent events that have surprised many in the field, including democratic backsliding in Poland and Hungary. The method of asserting this claim is to show gaps between actual and expected levels of democracy in prior years (based on surveyed values), and then subsequent shifts in democratization.

An example that is correct to the time of the publication of the Emancipative Values index (2009-2013 data) is displayed in Figure A.6 below; where countries are above the line, their level of democracy is in "excess" of its predicted level, and therefore expected to decline; where countries are below the line, their level of democracy falls short of the expected level, and therefore is expected to rise.

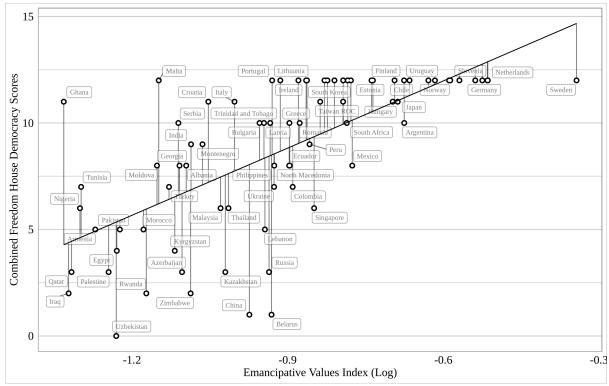


Figure A.6: Gap Between Emancipative Values Index and Democracy in 2013.

Notes: Most recent available data from the World Values Survey as of 2013, taken from the Wave 6 round of surveys. Democracy scores are the combined Freedom House scores for Political Rights and Civil Liberties.

The predictive record of a measure can only be assessed during its out-of-sample period, i.e. the period following its design, as otherwise the construction of the measure will be endogenous to the dataset used to validate/train an algorithm. However this means we can begin to assess the record of the index thus far, but comparing predicted to actual shifts in democracy scores from 2013-2021.

This is shown in Figure A.7 below. Of the expected changes, the record is as follows.

Shifts toward democracy: Of 37 countries predicted to move towards democracy by the Emancipative Values index, only seven in fact did so (Ukraine, Zimbabwe, Uzbekistan, Japan, Iraq, Colombia and Kyrgyzstan). 21 experienced no change, and nine moved in the opposite direction (Russia, Pakistan, the Philippines, Thailand, Kazakhstan, Egypt, Azerbaijan and Palestine).

Shifts away from democracy: Of the 40 countries predicted to move away from democracy, 13

did so (Poland, France, Turkey, Ghana, Malta, Nigeria, Chile, South Korea, Morocco, Pakistan and the Philippines). 21 saw no change, and six moved in the opposite direction (Italy, Greece, Japan, Taiwan, Tunisia, and Armenia). While this record seems better, we have to remember that on average during the period in question (2013-2020) Freedom House scores were falling – so by default, predictions of democratic backsliding were more likely to be realized. Of the 77 countries for which there is data between 2008 and 2013, the overall R² is 0.01 (adjusted R² of -0.01), implying no statistical association.

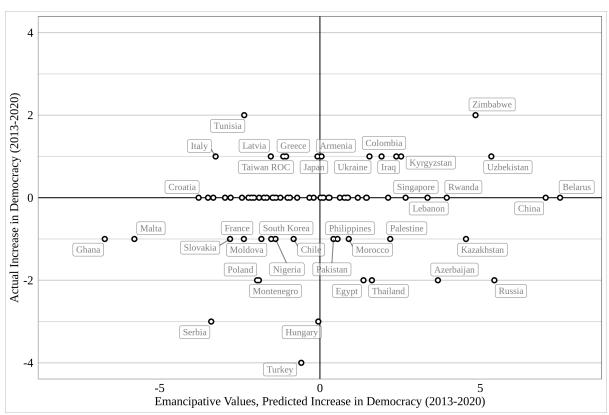


Figure A.7: Predicted and Actual Shifts in Freedom House Scores, 2013-2020 ($R^2 = 0.01$).

Notes: The predicted increase (decline) in democracy is the residual shown in Figure A.6, displaying the deficit (surplus) in the country level of democracy in 2013 with respect to its scores on the Emancipative Values index. The actual increase (decline) in democracy is the change in a country's combined Freedom House scores from 2013-2020. Correlation $R^2=0.01$.

4. Index Validation Using Randomly-Generated Alternative Scores

If an index has not been overfit to a target variable, we should expect it to rank averagely in the universe of potential conceptually valid indices that might have been constructed to measure that phenomenon. The items included in the Emancipative Values Index were selected from among a much broader range of potential items in the World Values Survey that would be conceptually valid for such a purpose; for example, its subindex for "autonomy" includes 3 items on values that respondents think are important for a child to learn (such as imagination or independence) but omits items asking individuals whether they consider themselves "an autonomous individual" or make decisions in life for themselves.

As the main purpose of the Emancipative Values index at the time of its development was to explain patterns of democratic governance across the world (Welzel 2013), if the index was designed impartially by selecting the most conceptually valid items but without consideration to their covariance (individually or jointly) with levels of democracy, then we should expect the bivariate correlation between democracy and the Emancipative Values index at the time of its development (the "in-sample" period) to rank averagely within the universe of all such possible alternative indices that could have been constructed, using semantically valid items. To the extent that the correlation between the Emancipative Values index and democracy during its design phase is above the average among this universe of potential such indices, this indicates overfitting (deliberate or circumstantial) of the index to the outcome variable by virtue of item selection.

Constructing A Sample of Valid Alternative Indices

The Emancipative Values index is designed by selecting three indicators from each of four subcategories (choice, equality, autonomy and voice), and combining these in to a 12-item composite score. In order to test the sensitivity of the results from the Emancipative Values index to item selection, we have coded an "Emancipative Values Index Generator" that randomly selects three items from the full range of survey questions that could potentially be used to construct such a measure. We use this generator to produce 20,000 variations of the Emancipative Values Index, and then test whether the results obtained by using the original index are robust to alternative index specifications.

Tables 2, 3, 4 and 5 show the selection of items used when selecting three items in to each of the choice, equality, autonomy, and voice subindices. In order to prevent differences in country-year samples from biasing the results, the distribution of values in each selected item is first rescaled to match that of the joint sample included in the original Emancipative Values index. In this way, if a given indicator were biased in its sample coverage towards countries or periods in which emancipative values were especially high or low, this would be corrected for. Second, because some items were not continued in certain waves, in their absence the algorithm simply takes the average of the remaining available items to calculate the country-year score – in this way preventing item selection from biasing downwards any changes over time.

The index generator simply takes the average of the four subindices to generate a final index score. For purposes of comparability, we have retained the original four subindex categories decided by Welzel, and also include the original survey items in each subindex category so that, in theory, one of the indices generated by the algorithm could simply be the original Emancipative Values index. As there are 70.6 billion potential index variations that could be produced by the generator, however, this exact outcome is unlikely; though many of the indices produced by this method will retain at least some items from the original version.

Table 2: Emancipative Values Choice Subindex - Original and Additional Items.

Choice Index

Original Items

Lifestyle choice: homosexuality

Lifestyle choice: abortion

Lifestyle choice: divorce

 $Additional\ Items$

Lifestyle choice: prostitution

Lifestyle choice: soft drugs

Lifestyle choice: adultery

Existential choice: euthanasia

Existential choice: suicide

Mobility choice

Moral choice

Lifestyle choice: work

Lifestyle choice: family

Please tell me for each of the following actions whether you think it can always be justified or something in between. Homosexuality.

Please tell me for each of the following actions whether you think it can always be justified or something in between. Abortion.

Please tell me for each of the following actions whether you think it

can always be justified or something in between. Divorce.

Please tell me for each of the following actions whether you think it can always be justified or something in between. $\underline{Prostitution}$.

Please tell me for each of the following actions whether you think it can always be justified or something in between. Use of soft drugs. Please tell me for each of the following actions whether you think it

can always be justified or something in between. Adultery.

Please tell me for each of the following actions whether you think it can always be justified or something in between. <u>Euthanasia</u>.

Please tell me for each of the following actions whether you think it

can always be justified or something in between. $\underline{\text{Suicide}}.$

How about people from other countries coming here to work. Which one of the following do you think the government should do?

Let anyone come who wants to.

Please tell us if you strongly agree, agree, disagree, or strongly dis-

agree. The only acceptable religion is my religion (disagree).

Do you agree or disagree with the following statements?

People should not have to work if they don't want to.

If a woman wants to have a child as a single parent but she doesn't

want to have a stable relationship with a man, do you approve or

disapprove? Percentage approve.

Notes: Items used in the Emancipative Values Subindex for "choice." Shown here are the 3 items from the original index, together with the list of additional items used in the Emancipative Values index generator when generating random bootstrap indices.

In selecting a range of appropriate survey items for each category, we have had to rely on the approximate semantic meaning that each has been given. "Choice" therefore includes other items from the same question battery as that used by Welzel, but with respect to other lifestyle choices (such as the use of soft drugs or adultery), as well as items reflecting openness to letting individuals make decisions for themselves over different areas of life (e.g. work or spirituality) without restrictions due to government rules or social norms. Similarly, the equality subindex includes not only the 3 items selected by Welzel (all related to gender equality) but also items tapping other egalitarian beliefs and attitudes, for example regarding income, racial equality, or equal tolerance and respect for others.

Table 3: Emancipative Values Equality Subindex - Original and Additional Items.

Equality Subindex

Original Items		
Gender equality	How would you feel about the following statements?	When jobs are

scarce, men should have more right to a job (disagree).

Can you tell me how strongly you agree or disagree: On the whole,

men make better political leaders than women do (disagree).

Gender equality

Can you tell me how strongly you agree or disagree: A university

education is more important for a boy than for a girl (disagree).

Additional Items

Gender equality

Gender equality

Can you tell me how strongly you agree or disagree: On the whole,

men make better business executives than women do (disagree). People talk about the changing roles of men and women today. For

each of the following statements I read out, can you tell me how much you agree with each. Both the husband and wife should contribute

to household income.

Gender equality Please tell me for each of the following things how essential you

think it is as a characteristic of democracy. Women have the same

rights as men.

Income equality How would you place your views on this scale? <u>Incomes should be</u>

made more equal.

Income equality Please tell me for each of the following things how essential you

think it is as a characteristic of democracy. The state makes people's

incomes equal.

Income equality Please tell me for each of the following things how essential you

think it is as a characteristic of democracy. People receive state aid

for unemployment.

Income equality Please tell me for each of the following things how essential you think

it is as a characteristic of democracy. Governments tax the rich and

subsidize the poor.

Income equality Imagine two secretaries, of the same age, doing practically the same

job. One finds out that the other earns \$50 a week more than she does. The better paid secretary, however, is more reliable at her job. In your opinion, is it fair or not fair that one secretary is paid more

than the other? Percentage: Unfair.

Age equality How would you feel about the following statements? When jobs are

scarce, people should be forced to retire early (disagree).

Racial/ethnic equality On this list are various groups of people. Could you please mention any that you would not like to have as neighbors? People of a

different race (not mentioned).

Racial/ethnic equality On this list are various groups of people. Could you please

mention any that you would not like to have as neighbors?

<u>Immigrants/foreign workers (not mentioned)</u>.

Racial/ethnic equality On this list are various groups of people. Could you please mention

any that you would not like to have as neighbors? People of a

different religion (not mentioned).

Racial/ethnic equality On this list are various groups of people. Could you please mention

any that you would not like to have as neighbors? People who speak

a different language (not mentioned).

LGBTQ+ equality On this list are various groups of people. Could you please mention

any that you would not like to have as neighbors? Homosexuals (not

mentioned).

Child equality Here is a list of qualities that children can be encouraged to learn

at home. Which, if any, do you consider to be especially important?

Tolerance and respect for other people.

Notes: Items used in the Emancipative Values Subindex for "equality." Shown here are the 3 items from the original index, together with the list of additional items used in the Emancipative Values index generator when generating random bootstrap indices.

Table 4: Emancipative Values Autonomy Subindex - Original and Additional Items.

Autonomy Subindex

Original Items
Child autonomy

Here is a list of qualities that children can be encouraged to learn

at home. Which, if any, do you consider to be especially important?

Independence.

Child autonomy Here is a list of qualities that children can be encouraged to learn

at home. Which, if any, do you consider to be especially important?

Imagination.

Child autonomy Here is a list of qualities that children can be encouraged to learn

at home. Which, if any, do you consider to be especially important?

Obedience (not mentioned).

Additional Items

Autonomy (general) How strongly you agree or disagree with each of the following state-

ments about how you see yourself? I see myself as an autonomous

individual.

Autonomy preference How would you place your views on this scale? People should take

more responsibility to provide for themselves.

Autonomy preference If it were to happen [do] you think it would be a good thing, a bad

thing or don't you mind? Greater emphasis on the development of

the individual.

thing or don't you mind? Greater respect for authority (bad).

Child autonomy Do you strongly agree, agree, disagree, or strongly disagree? One of

my main goals in life has been to make my parents proud (disagree).

Child autonomy Here is a list of qualities that children can be encouraged to learn

at home. Which, if any, do you consider to be especially important?

 $\underline{\text{Determination}}.$

Child autonomy Here is a list of qualities that children can be encouraged to learn

at home. Which, if any, do you consider to be especially important?

<u>Hard_work.</u>

Child autonomy Here is a list of qualities that children can be encouraged to learn

at home. Which, if any, do you consider to be especially important?

Responsibility.

the following statements? I make a lot of effort to live up to what my

friends expect (disagree).

Reproductive autonomy Do you think that a woman has to have children in order to be

fulfilled or is this not necessary? Answer: Not necessary.

Workplace autonomy Here are some aspects of a job that some people have said are im-

portant. Please look at them and tell me which ones you personally think are important in a job. An opportunity to use initiative.

Workplace autonomy How would you place your views on this scale? Competition is good.

It stimulates people to work hard and develop new ideas.

Notes: Items used in the Emancipative Values Subindex for "choice." Shown here are the 3 items from the original index, together with the list of additional items used in the Emancipative Values index generator when generating random bootstrap indices.

Table 5: Emancipative Values Voice Subindex - Original and Additional Items.

Voice Subindex

Original Items

Voice Would you please say which one of these you, yourself, consider the

most important? Seeing that people have more say about how things

are done at their jobs and in their communities.

Voice Would you please say which one of these you, yourself, consider the

most important? Protecting freedom of speech.

Additional Items

Voice Tell me, for each one, whether you have done any of these things,

whether you might do it or would never under any circumstances do

it. Signing a petition.

Voice Tell me, for each one, whether you have done any of these things,

whether you might do it or would never under any circumstances do

it. Attending peaceful demonstrations.

Voice Tell me, for each one, whether you have done any of these things,

whether you might do it or would never under any circumstances do

it. Joining in boycotts.

Voice Tell me, for each one, whether you have done any of these things,

whether you might do it or would never under any circumstances do

it. Joining strikes.

Voice When you get together with your friends, would you say you dis-

cuss political matters frequently, occasionally or never? Percentage:

frequently.

Voice For each one, would you say it is a very good, fairly good, fairly bad

or very bad way of governing this country? Having a democratic

political system.

Voice For each one, would you say it is a very good, fairly good, fairly bad

or very bad way of governing this country? Having the army rule

(bad).

Voice For each one, would you say it is a very good, fairly good, fairly

bad or very bad way of governing this country? Having experts, not government, make decisions according to what they think is best for

the country (bad).

Voice For each one, would you say it is a very good, fairly good, fairly bad

or very bad way of governing this country? Having a strong leader who does not have to bother with parliament and elections (bad).

Voice Could you please tell me if you agree strongly, agree, disagree or

disagree strongly? Democracy may have problems but it's better

than any other form of government.

Voice Please tell me for each of the following things how essential you think

it is as a characteristic of democracy. People choose their leaders in

free elections.

Voice Please tell me for each of the following things how essential you

think it is as a characteristic of democracy. Civil rights protect

people from state oppression.

Voice How important is it for you to live in a country that is governed

 $\underline{\text{democratically?}}$

Notes: Items used in the Emancipative Values Subindex for "choice." Shown here are the 3 items from the original index, together with the list of additional items used in the Emancipative Values index generator when generating random bootstrap indices.

Results

First, we show in Figure A.8 the bivariate scatterplot between the original Emancipative Values index and the bootstrap-generated indices. The line of fit here is the result of loess estimation, and thus suggests a broadly linear relationship between the original index and its bootstrap-generated alternatives. Reassuringly, the median pairwise correlation is high (R = 0.84). Nonetheless, the absence of perfect collinearity implies that there is also a fair range of variation in how liberal beliefs and values could potentially have been operationalised from the World Values Survey, even within the bounds of the conceptual categories used by the original index.

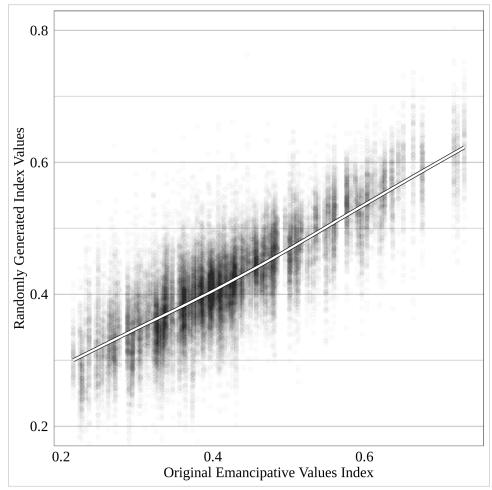


Figure A.8: Original Emancipative Values Index vs. Alternative Possible Indices.

Notes: The bootstrap-generated alternative indices correlate highly (median R=0.84) with the original Emancipative Values index, and are equivalently distributed around the same midpoints.

Testing for Index Overfttting (1) – Democracy

A central purpose of the Emancipative Values index is to predict shifts towards democratic governance. Leaving aside the issue of endogeneity – especially pertinent in light of the time-series trends in Figures A.1 and A.7, which show such values to have increased only in countries that were already full democracies – evidence for this assertion is presented by reference to the high correlation between this index and the distribution of democratic governance across the world. The correlation is especially high with respect to what Welzel has earlier termed "ef-

fective" democracy, defined as the combination (multiplication) of democracy (measured using the combined Freedom House scores) and the absence of corruption (here using the Worldwide Governance Indicator for Control of Corruption) (Figure A.9).

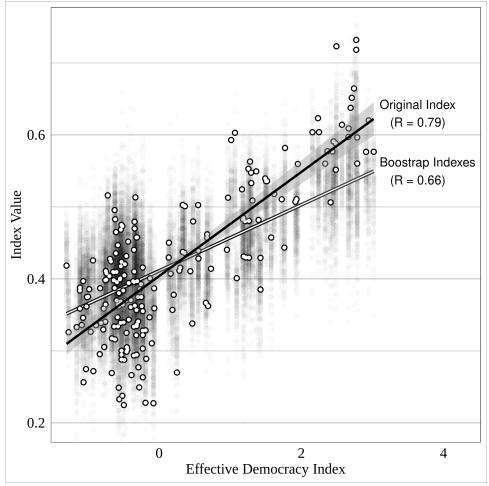


Figure A.9: Effective Democracy Index and Emancipative Values Index Correlation.

Notes: Scatterplot of the original Emancipative Values Index and the Effective Democracy Index (the multiplication of the combined Freedom House Scores with the WGI indicator for Control of Corruption), in comparison to the average bootstrap-generated index. While both the original and the randomly-generated indices are correlated positively with the Effective Democracy Index, this is notably higher for the original measure than its conceptually valid alternatives.

Figure A.9 suggests a broader concern: the fit of the original Emancipative Values index to measures of democracy, may be unusually high relative to equally valid alternatives designed with slightly different question items. In this case, the correlation of the original Emancipative Values index with the Effective Democracy scores is higher (R=0.79), for example, than the average among alternative specifications (R=0.66).

How high is the correlation of the Emancipative Values index with democracy, compared to this sample of valid alternative measures? For simplicity we operationalise democracy here using the combined Freedom House scores for Civil Liberties and Political Rights, which was the most widely-used measure during the period in which the Emancipative Values index was designed.

Figure A.10 shows the percentile position of the Welzel Emancipative Values index within the universe of all possible such indices with respect to its correlation with democracy. At the point

of publication in 2013, the index was in the top 1% of potential valid indices with respect to its fit with democracy. In short, it is unlikely that the Emancipative Values index could have been designed by chance, without item selection to overfit the index to the existing distribution of democratic governance in the world at that time. Such selection bias may well be unintentional, as certain indicators could be unconsciously known to covary more strongly with democracy than other conceptually valid alternatives. Yet it is unlikely that such a close fit could be arrived at without conscious or unconscious indicator selection to the data.

Original Emancipative Values Indexes

Ocorrelation Coefficients of All Possible (Bootstrap) Emancipative Values Indexes with Freedom House Combined Democracy Index

Figure A.10: Position of the Emancipative Values Index in Distribution of Possible Indices with Respect to the Pairwise Correlation with Democracy (Combined Freedom House Scores).

Notes: Among the sample of potential Emancipative Values indices that could have been constructed from the World Values Survey, the original Emancipative Values Index is at the 99th percentile with respect to its correlation with democracy, as measured by the combined Freedom House scores. This suggests that the high fit is due in part to item selection.

It is important to acknowledge here that there is still a correlation between the average potential index and democratic governance (R=0.51), it is simply that this figure is far lower than that for original the Emancipative Values index. We can therefore infer that much - though not all - of this is due to overfitting of the index to the data.

Testing for Index Overfttting (2) – In-Sample vs. Out-of-Sample Comparison

The second test of overfitting of data to an outcome variable, is to compare how an index performs during "in-sample" and "out-of-sample" periods. The in-sample period includes the years up until 2013, i.e., when the Emancipative Values Index was formulated and then published. This is the sample of data that was available to scholars during the design period, and which could have therefore consciously or unconsciously influenced item selection. The out-of-sample period constitutes survey observations gathered after this date, which, by virtue of this fact, could not have been available during index construction, and therefore cannot in any way bias

its development and design.

If an index has not been deliberately overfit to an outcome variable, such as the distribution of democratic governance in the world, then we should expect the index to exhibit similar positioning in its distribution of potential alternative operationalizations in both the "in-sample" and the "out-of-sample" phase. Ideally, the index should be positioned near the 50th percentile in both periods, as this implies that (a) the initial index was not deliberately overfit to the data, and (b) the index continues to function as a representative measure of its target concept (in this case, liberal values) in the period following its design.

The preceding analysis already shows that during its design phase, the Emancipative Values index was situated in the top percentile of valid alternatives with respect to its correlation with democracy, which implies that it was heavily overfitted to this outcome variable. However, if its position in the universe of potential alternatives remains at this level during the out-of-sample period, then one could argue that the item selection was more appropriate as a measure of its intended target (values supportive of democratic governance) – and that the additional items included in the construction of alternative potential indices were simply not as valid to this end.

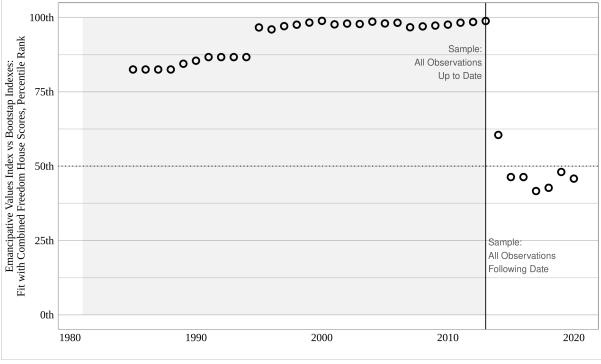


Figure A.11: Position of the Original EV Index in Distribution of Possible Indices.

Notes: Among the universe of potential EV indices that could have been constructed from the World Values Survey, the original EV Index is in the 99th percentile with respect to its correlation with democracy (combined Freedom House scores) during the period of its design and publication. However, this drops to average using subsequently collected data, suggesting that the original index was overfitted to democracy through item selection.

The "in-sample" and "out-of-sample" comparison is shown in Figure A.11. There is an immediate and large decay in relative fit between the Emancipative Values index and democracy when comparing data from its design phase and data collected after its publication. The index goes from being in the 99th percentile of such indices in the period of development to being below average in data collected after 2014. The large drop in efficacy as a correlate of democracy from the in-sample to the out-of-sample period strongly suggests overfitting, and this would explain

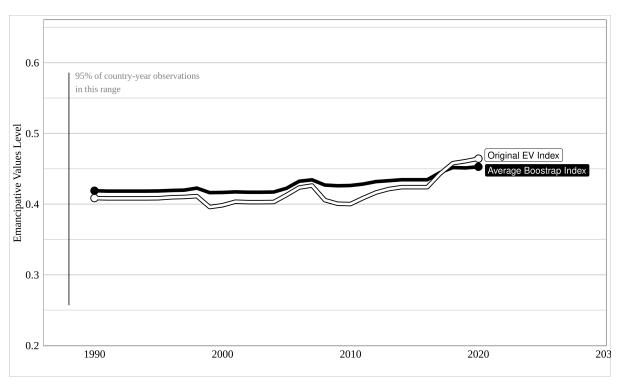
the relative lack of efficacy of the index in predicting democratic shifts after this point.

4. Recalculating Time-Series Trends Using Bootstrap Indices

Finally, having generated a large number of alternative specifications of the Emancipative Values index, we can revisit the analysis of time-series trends. Given the concerns regarding overfitting, how do the time-series trends of the Emancipative Values index compare to those among its alternative possible specifications? Is the evidence of a shift towards more liberal values only present when using a particular selection of survey items – those of the original index – or can it be found more broadly across different measurements?

The initial evidence suggests that item selection does account for a significant proportion of the increase in the Emancipative Values index. First, figure A.12 shows the equal-weighted all-country averages for the Emancipative Values index, versus the average of its alternative specifications, from 1990 to 2020. As in the first section, in generating these figures, we limit the sample to only countries with at least a 15-year span of data, and apply a constant country sample in each year using the most recent available survey observation.

Figure A.12: Comparison of the Emancipative Values Index and Average Bootstrap Index, 1990-2020



Notes: Unweighted country average, using constant country sample. While the original Emancipative Values index shows a rising trend over time, there is a much weaker change in the average potential index generated by the bootstrap process.

While the Emancipative Values index increases by a fairly large amount at the cross-country (equal-weighted) level, the alternative specifications increase by only a more limited degree. Substantively the different is around 50%, suggesting that a large proportion of the increase in the original index is due to item selection effects, and not an underlying change in value orientations.

Second, as our intention is to see whether there is a global trend towards emancipative values, Figure A.13 presents the same data but this time, using population-weighting when aggregating countries, so as to produce a trendline that is representative of change at the global level. After population weighting, neither the original Emancipative Values index nor its alternative specification show any clear trend. While the former is marginally higher in 2020 than thirty years prior, the latter is exactly flat, and shows minimal variation over time.

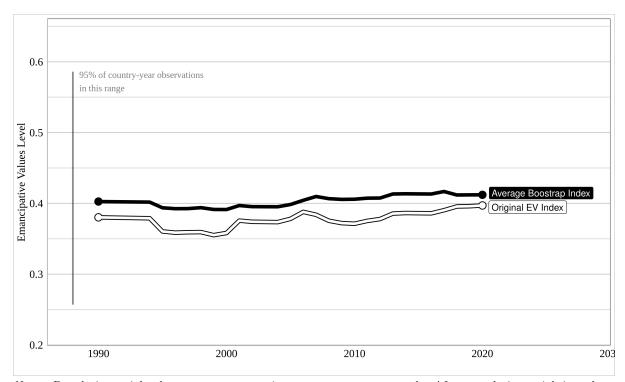


Figure A.13: Comparison of the EV Index and Average Bootstrap Index, 1990-2020

Notes: Population-weighted country average, using constant country sample. After population weighting, there is no evident trend in the Emancipative Values index over time, either in the original index or the bootstrap alternative indices.

There is no trend in aggregate towards more liberal values. To the extent that a trend exists, it is to be found in countries that are longstanding democracies, but whose declining share of world population counteracts their contribution to value change at a global level. Nor is there evidence that any index of liberal values can predict shifts towards or away from democracy in the past decade. That said, the foregoing analysis implies no conclusion as regards future trends in liberal values, which may rise, or fall, or continue to remain constant. Nor does it imply any conclusion regarding prospects for democratic transition – which, if not related to the levels of such values, could occur despite the absence of any clear value-shift in partly democratic and non-democratic countries.