# Class and the Development of Trust in Police in Latin America

### **Supporting Information**

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### Appendix A Survey Data

### A1.1 Samples

This section describes the temporality and geographic coverage of the different survey data used in the analyses. Table A1 shows all the included LAPOP country rounds and the year each round was conducted. Table A2 describes the Chilean ELSOC data, including the number of respondents per survey wave and year of survey collection. Table A3 shows the number of survey responses included in each of the two waves from the Medellín, Colombia, survey (Hanson, Kronick, and Slough, 2022).

Year	Countries surveyed
2004	Bolivia, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Mexico, Nicaragua, Panama.
2005	Colombia
2006	Bolivia, Chile, Colombia, Costa Rica, Ecuador, El Salvador, Guatemala, Honduras, Jamaica, Mexico, Nicaragua, Panama, Paraguay,
	Peru
2007	Brazil, Colombia, Uruguay, Venezuela
2008	Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras,
	Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Uruguay, Venezuela
2009	Colombia
2010	Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras,
	Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Uruguay, Venezuela
2011	Colombia
2012	Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras,
	Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Uruguay, Venezuela
2014	Argentina, Belize, Bolivia, Brazil, Chile, Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Guatemala, Honduras,
	Jamaica, Mexico, Nicaragua, Panama, Paraguay, Peru, Uruguay, Venezuela
2016	Colombia, Costa Rica, Dominican Republic, Ecuador, El Salvador, Honduras, Mexico, Nicaragua, Paraguay
2017	Argentina, Bolivia, Brazil, Chile, Guatemala, Jamaica, Panama, Peru, Uruguay
2018	Colombia, Costa Rica, El Salvador, Honduras, Panama
2019	Argentina, Bolivia, Brazil, Chile, Dominican Republic, Ecuador, Guatemala, Jamaica, Mexico, Nicaragua, Paraguay, Peru, Uruguay

Table A1: Table lists all the country-year LAPOP surveys included in the pooled data. All country surveys between 2004 and 2019 were included.

ELSOC survey wave							
Year	1	2	3	4	5		
2016	2927						
2017		2473					
2018			3748				
2019				2573			
2020				844			
2021					2740		

Table A2: Number of survey responses included in the Chilean Longitudinal Social Survey (ELSOC) data used in the analysis, per survey wave and year of survey collection.

Medellín panel survey wave					
Wave	Year	Observations			
Baseline	2018	5205			
Endline	2019	3644			

Table A3: Number of survey responses included in each of the two waves from the representative survey conducted in Medellín, Colombia (Hanson, Kronick, and Slough, 2022), used in the analysis.

### A1.2 Survey measures

In Table A4, we report the survey questions and measures employed in the paper and the corresponding data source.

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Towhat extend to you trust [other institution] 7-point Likert scale What was the final year of education that you completed or passed?  10-18+ years 11 maked categories 12 maked categories 13 maked categories 14 maked categories 15 maked categories 16 maked categories 17 maked categories 18 maked categories 18 maked categories 18 maked categories 19 maked categories 10 maked categories 10 maked categories 11 maked categories 12 maked categories 12 maked categories 13 maked categories 14 maked categori				
Education What was the final year of education that you completed or passed?    Point   Point	The said of the sa		4-point Likert scale	5-point Likert scale
Topoit Likert sale   What was the highest educational level that you completed or passed?   O.18+ years   Income   In which of the following ranges does the monthly family income of this household fall, including remittances from abroad and the income of all working adults and children?   In anked categories (depends on local currency)   In anked categories   In society, commonly, there are different social groups or classes. People in the upper social class are those with the highest level of education and the least valued jobs. In between these classes are other with the highest level of education and the least valued jobs. In between these classes are other with the highest level of education and the least valued jobs. In between these classes are other with the highest level of education and the least valued jobs. In between these classes are other with the substitution of the lollowing social groups or classes do you belong?   In order to eatth criminals, do you be an avertion of any type of crime in the past 12 months? That know you here a victim of any type of crime in the past 12 months? That know you here a victim of any type of crime in the past 12 months? That know you here a victim of any type of crime in the past 12 months? That know you here a victim of any type of crime in the past 12 months? That know you have you have a victim of any type of crime in the past 12 months? That know you have you have a victim of any type of crime in the past 12 months? That know you have you have a victim of any type of crime in the past 12 months? That know you have you	Trust in [other institution]		_	_
What was the hind year of education that you completed or passed?   11 ranked categories   12 ranked categories   12 ranked categories (depends on local curency)   16 ranked categories				
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the monthly family income of this hone/s monthly in come fall? come fall fall? come fall			11 ranked categories	10 ranked categories
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from abroad and the income of all working adults and children?   16 ranked categories (depends on local currency)   16 ranked categories (depends on local currency)   16 ranked categories (depends on local currency)   16 ranked categories (lot ranked categories (lot ranked categories currency)   16 ranked categories categories (lot ranked categories categ				
Class (subjective)   16 ranked categories (depends on local currency)   16 ranked categories (depends on local currency)   16 ranked categories   17 ranked categories   17 ranked categories   18 ranked ca			come fall?	
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Class (subjective)  Class (administrative)  Anoret to catch criminals, do you believe that the authorities should always abide by the law or that occasionally they can cross the line?  Yes they can /No they cannot  Another to catch criminals, do you believe that the authorities should always abide by the law or that occasionally they can cross the line?  Yes they can /No they cannot  Thinking of the last 6 months, have you be or a victim of roby bery, burglant, assault, fraud, blacks mail, extortion, violent threats or abuse from police, extortion, street lights, family violence, sexual abuse, homicide.]  Yes/No answer  Views police as corrupt  Takking about the place or neighborhood doy on agree or disagree with the following statement: The police are corrupt, Spont Likent scale  In your neighborhood, doy on gener ally feel very safe, relatively safe, relativel		working addits and children:		
Class (subjective)  Class (administrative)  Crime victimization  Have you been a victim of robbelieve that the authorities should always abide by the law or that occasionally they can cross the line? Yes they can/No they cannot  Have you been a victim of robbert, who ident threats in the past 12 months? That is, have you been a victim of robbert, burglary, assault, fraud, black, mail, extortion, violent threats or any other type of crime in the past 12 months?  Yes/No answer  Police solicited a bribe  Police solicited a bribe  Views police as corrupt  Feels unsafe in neighbor- hood where you live and thinking about the passe or robeyt, burglar, somewhat safe, somewhat safe, somewhat safe, somewhat safe, somewhat unsafe or very unsafe?  Talking about the passibility of being the victim of an assault or robbert, on you feel very safe, somewhat unsafe or very unsafe?  The police care corrupt.  How strongly do you geneer of disagree with the following statement: The police are corrupt.  How strongly do you geneer of disagree with the following statement: The police are corrupt.  How strongly do you geneer of unsafe, safe, or very unsafe?  In your neighborhood, do you gener alively unsafe, or very unsafe?  How safe, or very unsafe?  How safe, or very unsafe?  How safe, or very unsafe, safe, or very safe?		16 ranked categories (depends on local	8 ranked categories	
Feels unsafe in neighbor-   Police solicited a bribe   Yes/No answer   Yes/N			8	
Preference for mano dura   In order to catch criminals, do you believe that the authorities should always abide by the law or that occasionally they can cross the line?    Preference for mano dura   In order to catch criminals, do you believe that the authorities should always abide by the law or that occasionally they can cross the line?   Preference for mano dura   In order to catch criminals, do you believe that the authorities should always abide by the law or that occasionally they can cross the line?   Preference for mano dura   Have you been a victim of any type of crime in the past 12 months? That is, have you been a victim of rob-ck, mail, extortion, violent threats or any other type of crime in the past 12 months? That is, have you for any of the following crimes? Have any family imembers, friends, or neighborhood acquaint and the place of neighborhood as coursed. Press No answer    Police solicited a bribe   Yes/No answer   Has a police officer asked you for a bribe in the last twelve months? Yes/No answer   How strongly do you agree or diagree with the following statement. The police are corrupt, lood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, somewhat safe, somewhat safe, somewhat safe, somewhat unusafe or very unsafe.   How safe or unsafe do you feel in the eighborhood where you live? Very unsafe, unsafe, neither safe nor unsafe, safe, or very safe?   How safe, or very safe?   How safe, relatively safe, safe, or very safe?   How safe, safe, safe, or very safe?   How safe, safe, safe, or very safe?   How safe, safe, safe, or very safe?   How safe or unsa	Class (subjective)	_	_	In society, commonly, there are dif-
with the highest income, the highest level of education and the most valued jobs. People in the lower so-cial class are those with the lowers of colors. Perference for mano dura ways abide by the law or that occasionally they can cross the line? Yes they can No they cannot Have you been a victim of an assault, fraud, balour changes, law of crime in the past 12 months? That is, have you been a victim of an assault or robbery, and you feel in the last twelve months? Yes/No answer  Police solicited a bribe Feels unsafe in neighborhood where you live and thinking and where you live and thinking and where you live and thinking and own trops believed that the last of an assault or robbery, do you feel very safe, somewhat unusafe or robust masses. It was not the positified of an assault or robbery, do you feel very safe, somewhat unsafes or revery unsafe?  With the highest income, the lowest evel of education and the least used of education and the least valued jobs. People in the lower so-cial class are those with the lowers or clad class are those with the lowers or clades are those with the lowers or clades are those with the lowers or classes do not the feet the at the lowers or anyone in y				ferent social groups or classes. Peo-
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Class (administrative)  Preference for mano dura lun order to catch criminals, do you believe that the authorities should always abide by the law or that occasionally they can cross the line? Yes they can /No they cannot he port of crime in the past 12 months? That is, have you been a victim of robeing, any other type of crime in the past 12 months?  Police solicited a bribe Police as corrupt  Views police as corrupt  Views police as corrupt  Feels unsafe in neighborhood where you live and thinking about the place or neighborhood where you live and thinking about the place or neighborhood where you live and thinking about the place or neighborhood where you live and thinking about the possibility of being the victim of an assault or robbery, do you gel every safe, somewhat unsafe or very unsafe?  Estrato 1-6 (six choices)  —  Estrato 1-6 (six choices)  —  Thinking of the last 6 months, hove you or anyone in your home been victims of any of the following or anyone in your home been victims of any of the following or anyone in your home been victims of any of the following or anyone in your home been victims of any of the following or anyone in your home been victims of any of the following or anyone in your home been victims of any of the following or anyone in your home been victims of any of the following or anyone in your home been victims of any of the following or anyone in your home been victims of any of the following part of the finest or any family members, friends, or neighborhood acquaintances? [theft, car robbery, verbal threats or abuse from police, extortion, street fights, family violence, seculal abuse, homicide.]  Yes/No answer  How strongly do you agree or disagree with the following statement: The police are corrupt.  5-point Likert scale In your neighborhood, do you generally feel very safe, relatively safe, or very unsafe?  How safe or unsafe do you feel in the neighborhood where you live? Very unsafe, unsafe, or very safe?				
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Class (administrative)  Preference for mano dura  In order to catch criminals, do you believe that the authorities should always abide by the law or that occasionally they can cross the line? Yes they can /No they cannot  Have you been a victim of any type of crime in the past 12 months? That is, have you been a victim of robbery, burglary, assault, fraud, blackmail, extortion, violent threats or any other type of crime in the past 12 months?  Yes/No answer  Police solicited a bribe  Views police as corrupt  Feels unsafe in neighborhood  Talking about the place or neighborhood  Talking about the place or neighborhood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel every safe, somewhat unsafe or very unsafe?  Estrato 1-6 (six choices)  —  Festrato 1-6 (six choices)  —  Find the last choices  Find the last object of the last of months, have you or anyone in your home been victims of any of the following frimes? Have any family members, friends, or neighborhood acquain-atances? [theft, car robbery, verbal threats or abuse from police, extortion, street fights, family violence, sexual abuse, homicide.]  Yes/No answer  How strongly do you agree or disagree with the following statement: The police are corrupt.  5-point Likert scale  In order to catch criminals, do you for a bribe in the last twelve months?  Yes/No answer  How strongly do you agree or disagree with the following statement: The police are corrupt.  5-point Likert scale  In order to catch criminals, do you for a price with the following statement: The police are corrupt.  5-point Likert scale  In order to catch criminal day to prove the and thinking about the possibility of being the victim of an assault or robbery, do you feel in the neighborhood where you live? Very unsafe, somewhat unsafe or very unsafe?				
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is, have you been a victim of robbery, burglary, assault, fraud, blackmail, extortion, violent threats or any other type of crime in the past 12 months?  Police solicited a bribe Police solicited a bribe Police solicited a bribe Views police as corrupt Views police as corrupt Views police as corrupt Peels unsafe in neighborhood where you live and thinking about the place or neighborhood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, somewhat unsafe or very unsafe?  been victims of any of the following crimes? Have any family members, friends, or neighborhood acquain tances? [theft, car robbery, verbal threats or abuse from police, extortion, street fights, family violence, sexual abuse, homicide.]  Yes/No answer  Yes/No answer  How strongly do you agree or disagree with the following statement: The police are corrupt. 5-point Likert scale In your neighborhood, do you generally feel very safe, relatively safe, relatively unsafe, or very unsafe, unsafe, unsafe, or very unsafe, afe, or very safe?  How safe or unsafe do you feel in the neighborhood where you live? Very unsafe, or very unsafe, or very unsafe, or very safe, safe, or very safe?	Crime vicumization			_
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Police solicited a bribe  Has a police officer asked you for a bribe in the last twelve months?  Yes/No answer  Views police as corrupt  Views police as corrupt  Talking about the place or neighborhood hood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, somewhat unsafe or very unsafe?  Ition, street fights, family violence, sexual abuse, homicide.]  Yes/No answer  Yes/No answer  How strongly do you agree or disagree with the following statement: The police are corrupt. 5-point Likert scale  In your neighborhood, do you generally feel very safe, relatively safe, relatively safe, relatively unsafe, or very unsafe?  How safe or unsafe do you feel in the neighborhood where you live? Very unsafe, or very unsafe, or very unsafe, or very unsafe, or very safe; safe, or very safe?		any other type of crime in the past	tances? [theft, car robbery, verbal	
Police solicited a bribe  Has a police officer asked you for a bribe in the last twelve months?  Yes/No answer  Ves/No answer  How strongly do you agree or disagree with the following statement: The police are corrupt.  Feels unsafe in neighborhood where you live and thinking about the place or neighborhood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, somewhat safe, somewhat safe, somewhat safe, somewhat unsafe or very unsafe?    SexNo answer   Yes/No answer		12 months?		
Police solicited a bribe  Has a police officer asked you for a bribe in the last twelve months? Yes/No answer  Views police as corrupt  Views police as corrupt  Talking about the place or neighborhood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, somewhat safe, somewhat unsafe or very unsafe?  Yes/No answer  How strongly do you agree or disagree with the following statement: The police are corrupt.  5-point Likert scale In your neighborhood, do you generality el very safe, relatively safe, relatively safe, relatively safe, relatively safe, relatively unsafe, or very unsafe?  How safe or unsafe do you feel in the neighborhood where you live? Very unsafe, or very unsafe?  How safe or unsafe do you feel in the neighborhood where you live? Very unsafe, somewhat safe,				
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Views police as corrupt  Feels unsafe in neighborhood where you live and thinking about the place or neighborhood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, somewhat safe, somewhat unsafe or very unsafe?  How strongly do you agree or disagree with the following statement: The police are corrupt. 5-point Likert scale In your neighborhood, do you generally feel very safe, relatively usafe, relatively unsafe, or very unsafe?  How safe or unsafe do you feel in the neighborhood where you live? Very unsafe, or very unsafe?  How safe or unsafe do you feel in the neighborhood where you live? Very unsafe, or very unsafe, or very unsafe, or very safe, safe, or very safe, safe, or very safe?				
Feels unsafe in neighbor hood  Talking about the place or neighbor hood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, somewhat safe, somewhat unsafe or very unsafe?  Talking about the place or neighbor hood do you generally feel very safe, relatively safe, relatively safe, relatively unsafe, or very unsafe?  How safe or unsafe do you feel in the neighborhood where you live? Very atively unsafe, or very unsafe?  atively unsafe, or very unsafe?  safe, safe, or very safe?  safe, safe, or very safe?	Views police as corrupt	_	How strongly do you agree or dis-	_
Feels unsafe in neighborhood hood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, somewhat safe, somewhat unsafe or very unsafe?  S-point Likert scale In your neighborhood, do you generally feel very safe, relatively safe, relatively safe, relatively unsafe, or very unsafe?  How safe or unsafe do you feel in the neighborhood where you live? Very unsafe, unsafe, unsafe, unsafe, unsafe, or very safe?  safe, safe, or very safe?	÷ •			
Feels unsafe in neighborhood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, onewhat safe, somewhat unsafe or very unsafe?  In your neighborhood, do you generally feel very safe, relatively safe, relatively safe, relatively safe, relatively unsafe, or very unsafe, unsafe, unsafe, unsafe, unsafe, unsafe, or very safe?  How safe or unsafe do you feel in the neighborhood where you live? Very unsafe, or very unsafe, unsafe, unsafe, unsafe, or very safe?  safe, safe, or very safe?			•	
hood hood where you live and thinking about the possibility of being the victim of an assault or robbery, do you feel very safe, somewhat safe, somewhat unsafe or very unsafe?  hood where you live and thinking ably feel very safe, relatively safe, relatively unsafe, relatively unsafe, relatively unsafe, unsafe, unsafe, neither safe nor unsafe, safe, safe, or very safe?				
about the possibility of being the vic- tim of an assault or robbery, do you feel very safe, somewhat safe, some- what unsafe or very unsafe? unsafe, or very unsafe? unsafe, neither safe nor un- safe, safe, or very safe?	_			
tim of an assault or robbery, do you safe, safe, or very safe? feel very safe, somewhat safe, somewhat unsafe or very unsafe?	nood			
feel very safe, somewhat safe, some- what unsafe or very unsafe?			auvery unsaire, or very unsaire:	
what unsafe or very unsafe?				onic, onic, or rery onic.
·				
			4-point Likert scale	5-point Likert scale

Table A4: English translations of relevant survey questions employed in the analyses.

### A1.3 Variable recodings and transformations

We transform a number of the variables described in Table A4 in some analyses. We outline the procedures that we use for these transformations, as follows.

### Z-score transformations:

For a variable  $X_i$ , we construct Z-scores using the following formula:

$$X_i^Z = \frac{X_i - \overline{X}_i}{\sqrt{\text{Var}[X_i]}} \tag{1}$$

### **Decile construction:**

We rank respondents by decile of education and socioeconomic status. Since the education and income measures are discrete (as indicated in Table A4), individuals in the same income or education bracket, are in some cases, assigned to different deciles to maintain equal-sized decile bins. To do this, we randomly rank respondents within the same class bracket before partitioning the sample into deciles.

### Binary signals of police behavior/security outcomes.

To construct comparable binary signals across the three measures of police behavior/security outcomes, we dichotomize the Likert-measured variable measuring perceptions of safety in a respondent's neighborhood, as follows:

Feels unsafe<sub>i</sub> = 
$$\begin{cases} 0 & \text{if Likert response } \leq 2 \text{ (very safe or somewhat safe)} \\ 1 & \text{else (somewhat unsafe or very unsafe).} \end{cases}$$
 (2)

To maintain comparability across the surveys, we dichotomize the Likert-measured variable of "Are the police corrupt?" from the Medellín panel as follows:

### Appendix B LAPOP vs. Chile and Medellin Panels

This section compares the correlations between class and trust in police from the LAPOP data to those from the Chile and Medellín panels. Additionally, Table A5 presents results using the longitudinal Chile survey of the estimated association between subjective class and trust in police when individuals change their self-identification to a higher socioeconomic class.

Figure A1 benchmarks the national, LAPOP-based correlations, between the two measures of class and trust in the police with the correlations estimated from each panel. All correlations estimated with panel data are more positive than the corresponding LAPOP correlation. In the case of the Chile panel, the association between class and trust in police is estimated to be positive, although small in magnitude. However, the Medellín panel shows a negative and statistically significant association between education and trust in police, and a very weak, negative, but statistically insignificant correlation between income and trust in police. We note that the LAPOP data aims to be nationally representative whereas the Medellín survey aims to be representative of populous police beats in the city (for details on sampling, see Hanson, Kronick, and Slough, 2022).

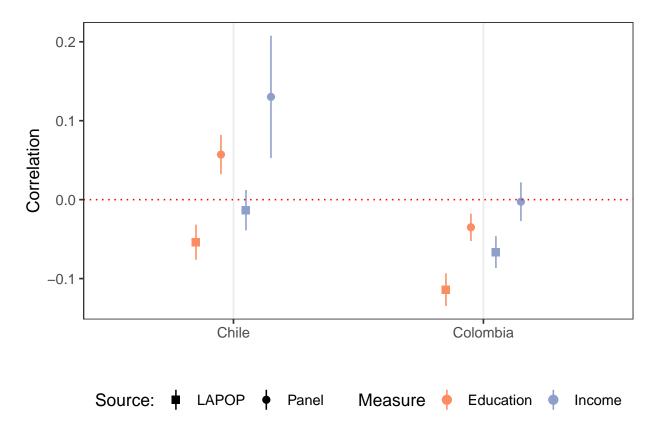


Figure A1: Figure shows the estimated correlation between two measures of class and trust in the police from the Chile ELSOC and Medellín panels, and LAPOP data.

In this paper, we characterize how trust in police varies in social class in Latin America. To that end, we compared trust between individuals of different classes when class is operationalized as education and

income. In the following analysis, we report additional estimates using class self-categorization, reported in the ELSOC Chile panel, as the measure of social class. Specifically, we make use of the data's panel structure and analyze the association between *changes* in individuals' self-identification with a class and trust in police. Table A5 shows the estimates of the pooled association (across waves), the average treatment effect (TWFE), and the fixed effects counterfactual estimator proposed by Liu, Wang, and Xu (2022) between trust in the police and identifying with a *higher* class than in the previous survey round. Self-identification with a higher class is associated with higher self-reported trust in police, both between and within individuals, as would be expected if treatment by police improved in class. However, the difference is not statistically significant in any of the three specifications and is small in magnitude.

Quantity	Estimator	Estimate	95% CI
Association	OLS	0.046 (0.032)	[-0.017, 0.109]
ATT	TWFE	0.024 (0.031)	[-0.036, 0.084]
ATT (unit avg.)	FEct (LWX 2022)	0.004 (0.049)	[092, 0.049]

Table A5: Table shows the pooled association (across waves), average treatment effect (TWFE), and fixed effects counterfactual estimator proposed by Liu, Wang, and Xu (2022) between trust in the police and identifying with a higher class than in the previous survey round for respondents in the ELSOC Chile panel. Treatment is defined as 1 when respondents changed their answer to the question "According to your opinion, to which of the following social groups or classes do you belong?" to self-identify with a wealthier social group, while respondents who identified with the same social class or a lower social class are coded as 0. Robust standard errors clustered at the primary sampling unit in parentheses.

### **Appendix C** Forecasting Instrument

This section explains in detail the forcasting instrument and data. Figure A2 shows the English version of the web interface used to elicit experts' prior beliefs, while figure A3 shows its Spanish translation. Respondents were asked to predict the mean level of trust in the police for an average adult at the 10th, 50th, and 90th percentiles of household income. We asked experts to provide a forecast for at least one Latin American country or the region as a whole. Figures A2 and A3 show the Mexico-specific prompts.

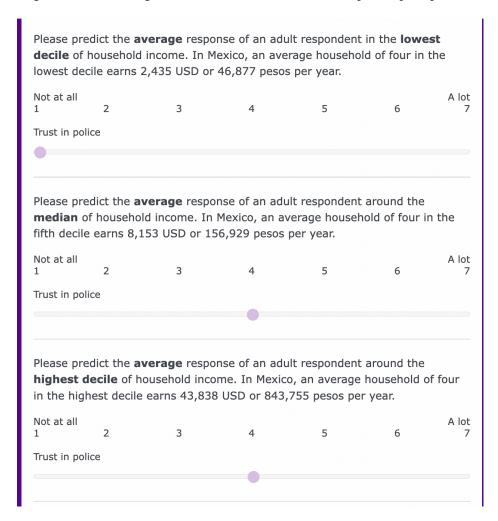


Figure A2: Screenshot of the web interface used for eliciting experts' priors. As an example, Mexico was selected and Mexico-specific data was provided to contextualized the range of income.

Figure A3: Screenshot shows Spanish-langage verision of the web interface used for eliciting experts' priors. As an example, Mexico was selected and Mexico-specific data was provided to contextualized the range of income.

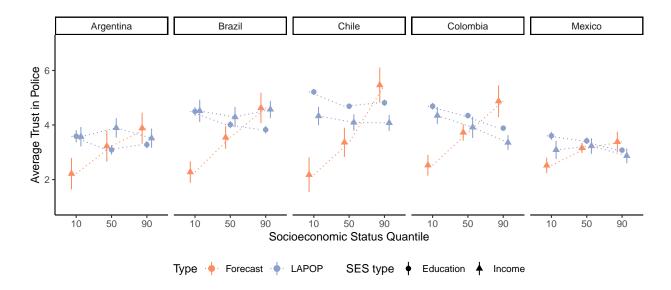


Figure A4: Divergence between average forecasts (in orange) and corresponding survey-based measures (in blue) for the five countries with more than eight survey responses. The figure shows that predictions for the case of Mexico posit a less steep relationship between income and trust in police than for the rest of the countries. Activists, who tend to predict lower scores than other respondents for higher income levels, drive this weaker predicted relationship.

Table A6 shows the number of individual forcasts included in the analysis, disaggregating by type of respondent and country for which the forcast was provided.

Colombia Uruguay	7	0	0	0	7
Latin America	0	2	1	1	4
(Regional average) Guatemala	2	1	0	0	3
El Salvador	0	1	0	1	2
Ecuador	1	0	0	0	_ <del>-</del>
Honduras	1	0	0	0	1
	1	0	0	0	1
Nicaragua	1	0			
Peru	0	1	0	0	1
	62	30	14	15	121

Table A6: Count of survey responses per country and respondent type.

### Appendix D Assessing Artifacts of Measurement

### A4.1 Rates of missingness

This section describes the country-specific patterns of missingness in the socioeconomic and institutional trust variables used for the analysis. Figure A5 plots the proportion of survey responses with missingness across all survey country-rounds, according to the type of variable.

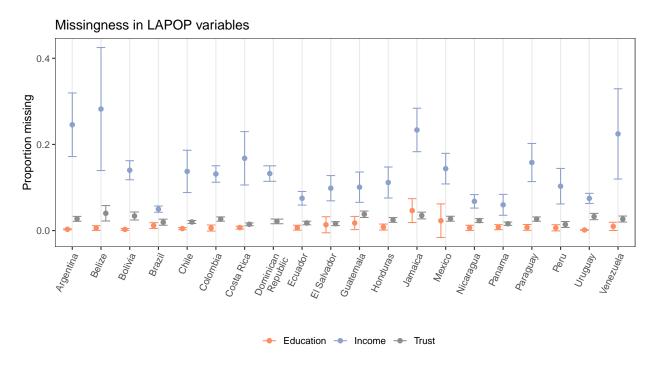


Figure A5: Figure shows the proportion across survey waves (and its 95% confidence interval) of respondents in each country that did not give a valid answer to a question about institutional trust (in blue), their income (in orange), and their educational attainment (in green).

### A4.2 Worst-case bounds for missingness

Figure A6 shows the worst-case and best-case bounds for the estimated pooled correlation between trust in police and income or education after accounting for missing responses. For survey respondents who reported either socioeconomic status or trust in police but not both (99.8% of observations with missingness in either), we impute the Z-score value of the non-missing response (and -1\*Z-score) as the missing value. Since correlations are bounded between -1 and 1, and both responses are Z-scores, this process guarantees that the missing observation lies on the  $45^{\circ}$  line, making the estimated correlation the most positive (most negative) possible. The results show that the correlation is negative and of a similar magnitude, even if all missing observations were perfectly and positively correlated. The correlation between trust in police and income, if all missing observations were perfectly and positively correlated, is estimated to be 0.13. That is, the most positive correlation that the data's missingness could conceal is *equal* to the estimated correlation between income and trust in police in the United States.

### Class and trust in police

with worst and best-case bounds for missingness

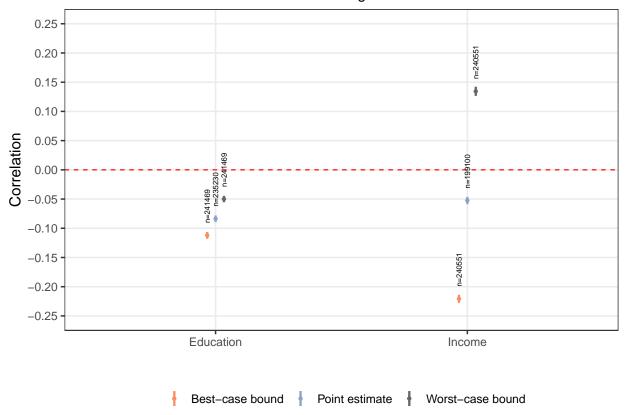


Figure A6: Figure shows the best-case, point estimates, and worst-case bounds for the pooled correlation across LAPOP survey waves between socioeconomic status, operationalized as self-reported education and income, and trust in police. Robust errors are volustered at the primary sampling unit.

### A4.3 Respondent interpretations of trust

This section investigates respondents' conceptions of institutional trust. We conceptualize trust as cognitive and relational. If trust is, in fact, cognitive and relational, if different governments interact with people differently, then changes in the political composition or ideology of the government should affect how individuals expect to be treated by government agents. To test, we analyze changes in reported trust of different institutions under right-wing national governments.

Figure A7 shows the results of estimating the following event study setup:

$$\mathsf{Trust}_{ic} = \alpha + \sum_{s \in [1,3]} \beta_s \mathsf{Right} \ \mathsf{wing}_c + \varepsilon_{ic}$$

where  $Trust_{ics}$  is respondent i's self-reported trust in a given authority, standardized within country-years in country c, and Right wing c is an indicator equal to one if country c's government is headed by a right-wing president at the time of the survey's collection, or zero otherwise. s indexes the number of LAPOP survey waves conducted in each country since the start of the right-wing spell, where s=0 indicates the last survey

collected before its start. Robust errors are clustered at the level of the primary-sampling unit.

As figure A7 shows, self-reported trust in certain institutions *is* responsive to the ideological composition of the national government. The onset of right-wing governments significantly increases the correlation between trust in the president and both measures of class, as would be expected if support for right-wing governments was increasing in socioeconomic status. The correlation between trust and class for congress, political parties, and the police also significantly increases with the onset of right-wing spells, albeit by a smaller magnitude. Conversely, there is no significant change in trust in the Supreme Court, the Army, or Elections, as expected of institutions that are more independent of the national government.

# Bivariate correlation between class and trust after election of very right—wing presidents Output Ou

Extreme right-wing spells in Mexico, Panama, Paraguay, Honduras, Guatemala, Colombia, Chile, Brazil, and Argentina.

s=0 s=1 s=2 s=3

Figure A7: Figure shows the estimated correlation between class and trust in each authority during each survey wave for countries with at least one spell of right-wing presidents. Robust errors clustered at the primary-sampling-unit. The right-wing spells include: Macri in Argentina, Bolsonaro in Brazil, Uribe and Duque in Colombia, Pérez and Morales in Guatemala, Hernández in Honduras, Calderón in Mexico, Martinelli in Panama, and Abodo in Paraguay.

s=0 s=1 s=2 s=3

s=0 s=1 s=2 s=3

-0.10

### **Appendix E** Institutional Trust as a Fixed Trait?

If institutional trust were a fixed trait, we would expect a high level of homogeneity in each respondent's ratings of different government institutions. To test for this possibility, Figure A8 plots the pooled and country-specific intra-class correlation between respondent's assessments of trust in the police, congress, the courts, the president, political parties. The intra-class correlation gives the ratio of between-respondent variance to the total variance in trust in these institutions. If the ICC were close to 1, it would suggest limited variance in an individual's assessment of different institutions, suggesting that institutional trust functions as a stable trait or predisposition. Conversely, we can see that the pooled-sample ICC is estimated to be only 0.047 [0.0193, 0.232 95% CI] and all the country-specific ICCs are estimated to be less than .2.

## Intraclass correlation of respondent's ratings of trust in: police, congress, courts, the president, political parties, and the army

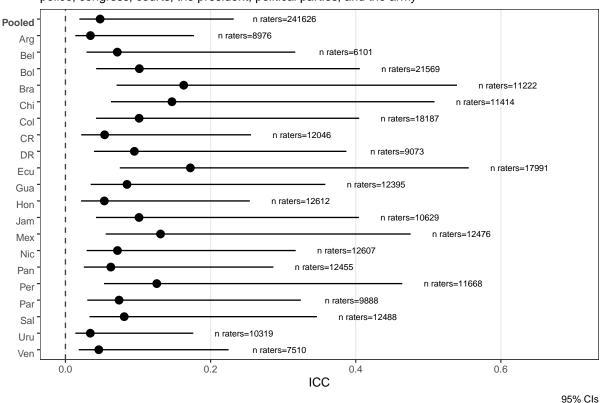


Figure A8: Figure shows the pooled and country-specific intra-class correlations.

### **Appendix F Updating on Experience with Police**

We use two smaller panel surveys, described in Appendix A, and administrative data to gain additional leverage on our account of updating on police trustworthiness. First, one surprising finding in Figure 6 is that high socio-economic status respondents report higher rates of crime victimization than poor respondents. The crime vicitmization survey conducted in Medellín helps to clarify this surprising finding, by examining exposure to different crimes by socioeconomic status. Figure A9 shows that the proportion of respondents that report having experienced theft in the past year, the most commonly reported crime, is increasing in class *estrato*. Thus, the positive gradient of overall victimization and class—seen in the first panel of the top row and Figure 6—is due to the high frequency with which property crimes occur. Conversely, Figure A9 shows that lower-income individuals more commonly report incidences of violence but less frequently perpetrated crimes, like homicide or extortion.

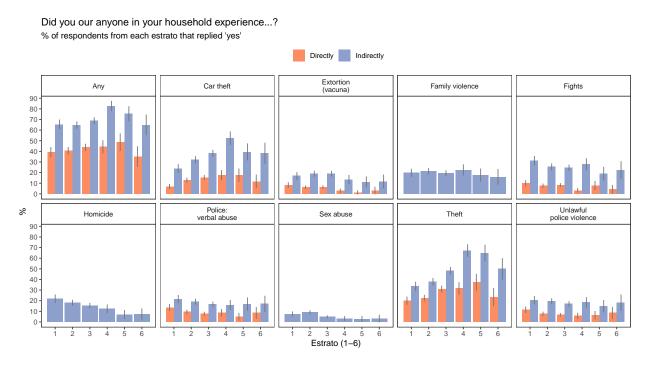


Figure A9: Figure shows the proportion of respondents from the Medellín survey that report direct (in orange) and indirect (in blue) instances of crime happening in their neighborhood in the last 6 months, by administrative class 'estrato'.

For some analyses, we conceptualize the feeling of unsafety as a perceived signal of police trustworthiness on which citizens update, since part of police officers' job is preventing crime and, in so doing, inspiring a feeling of security. However, how feeling "safe" correlates with the objective level of violence in a geography—or whether such feeling tracks objective measures of "successful" policing— is less clear. Table A7 shows the correlation between self-reported feeling of unsafety in respondents' neighborhoods and municipal-level homicides for respondents living in Brazil, Colombia, and Mexico. The measure of feeling of unsafety comes from all LAPOP survey waves (see Table A4), while municipal-level homicide data come from each country's official administrative records. Feeling unsafe is positively related to the intensity of homicidal violence in all countries and using all transformations of the measure of homicides, as we would expect if feeling of unsafety increased in the actual level of perpetrated violence. The correlation is strongest

in Brazil but positive and statistically significant at the 95% level for Colombia and Mexico as well.

'Feels unsafe'	Brazil	Colombia	Mexico
Rate per 100k	0.15 (0.02)	0.05 (0.02)	0.04 (0.02)
Total homicides	0.10 (0.02)	0.15 (0.02)	0.07 (0.02)
Rate per 100k (logged)	0.14 (0.02)	0.09 (0.02)	0.08 (0.02)
Rate per 100k (pooled quantile)	0.16 (0.02)	0.04 (0.02)	0.09 (0.02)
Rate per 100k (year quantile)	0.15 (0.02)	0.04 (0.02)	0.07 (0.02)

Table A7: Table shows the correlation between self-reported feeling of unsafety in respondents' neighborhood and homicides (measured at the municipal-level) for respondents living in Brazil, Colombia, and Mexico. In each country's column, the first row shows the country-specific correlation when the intensity of homicidies is operationalizes as rate per 100k municipal inhabitants, the second shows the correlation with the total number of homicides, the third with the logged rate per 100k municipal inhabitants, the fourth when violence is operationalizes as the municipal quantile of the overall number of homicides in the entire period, and the fifth when the quantile is constructed using the total number of homicides perpetrated there that year. Robust standard errors in parenthesis.

Although we use panel surveys to estimate the ATTs of different signals of police trustworthiness, it is helpful to see how associations estimated with these data relate to those estimated from the LAPOP sample. In Figure A10, we plot the association between feeling unsafe in the neighborhood, crime victimization, and viewing police as corrupt, and standardized measures of trust in police. The first and second panels show that the association between feeling unsafe and crime victimization is slightly more negative when using the Medellín panel than the Colombia-wide LAPOP data. Conversely, the association with the perception of police corruption is less negative in the Medellín panel than in the LAPOP panel. As for Chile, the LAPOP and panel-based estimates of the association between feeling unsafe and trust in police are similar.

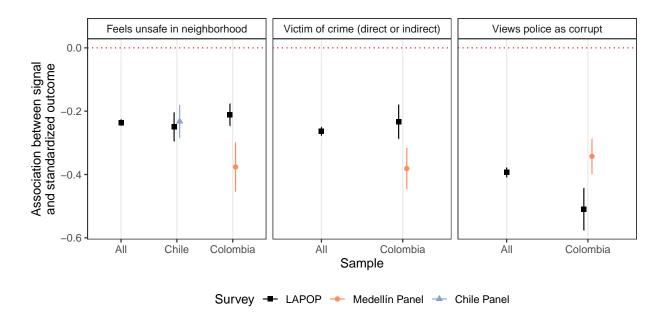


Figure A10: Figure shows the association between three signals of police trustworthiness and a standardized measure of trust in police when estimated using the data from LAPOP (black), the Medellín panel (orange), and the Chile panel (blue). For the estimation of the LAPOP association in the third panel, we use the variable 'police solicited a bribe' (see A4). Robust standard errors clustered at the primary sampling unit.

### Appendix G Organizing Findings

This section provide supplementary analyses supporting our discussion of our framework for the construction of trust in police. Figure A11 shows that trust in police is decreasing in class, both operationalized as income and education, across all age groups, discounting the possibility that systematic differences in the age of individuals of different income groups explain the negative relationship between the variables.

	Trust in police (standardized)					
	(1)	(2)	(3)	(4)	(5)	(6)
Victimized in past year (binary)	-0.245***	-0.255***				
	(0.007)	(0.007)				
Feels unsafe in neighborhood (binary)			-0.238***	-0.238***		
			(0.005)	(0.005)		
Bribe solicited (binary)					-0.371***	-0.372***
					(0.008)	(0.008)
Education ( $Z$ -score)	-0.083***		-0.081***		-0.072***	
	(0.003)		(0.003)		(0.003)	
Income ( $Z$ -score)		-0.056***		-0.051***		-0.041***
	0.000***	(0.004)		(0.004)		(0.003)
Victimized × Education	0.022***					
Victimized × Income	(0.007)	0.018*				
Victimized × meome		(0.018)				
Feels unsafe × Education		(0.007)	-0.010*			
Teels unsure × Education			(0.005)			
Feels unsafe × Income			(0.000)	-0.012*		
				(0.005)		
Bribe solicited × Education				, ,	0.008	
					(0.007)	
Bribe solicited × Income						0.005
						(0.007)
Observations	154,180	130,510	235,291	199,160	233,142	197,420
Mean DV (signal = $0$ )	0.050	0.055	0.098	0.100	0.039	0.043

p < 0.1, p < 0.05, p < 0.01, p < 0.001, p < 0.001

Table A8: Differential updating on signals by socioeconomic status proxy. Standard errors are clustered at the level of the primary sampling unit.

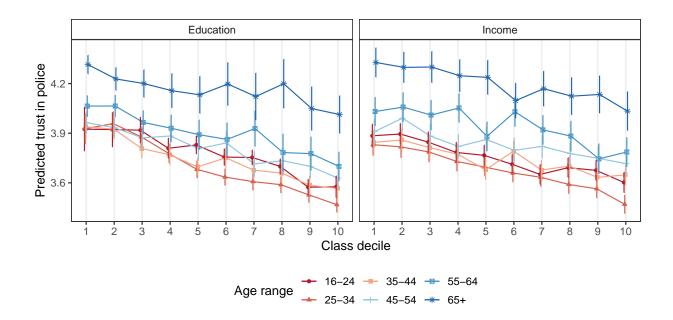


Figure A11: Trust in police as a function of age and class. 95% confidence intervals constructed on standard errors clustered at the primary sampling unit level.

### **Supplementary Appendix: References**

Hanson, Rebecca, Dorothy Kronick, and Tara Slough. 2022. "Preaching to the Choir: A Problem of Participatory Interventions.".