Corruption information and vote share: A meta-analysis and lessons for survey experiments

Trevor Incerti (Yale University) 30 August 2019

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Introduction

Do voters hold politicians accountable for corruption?

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- ARPS review: "Empirical evidence to date is mixed, and it often suggests that the electoral punishment of corruption is rather mild." (De Vries & Solaz 2017)
- Recent explosion of experimental research on this subject.
- What have we learned from this research? Is evidence actually mixed?

Methods

Meta-analysis of all experimental studies conducted to date.

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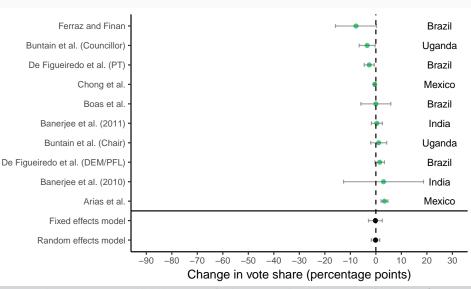
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- Treatment: corruption information provision.
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- As treatments are not always assigned identically, I take steps to standardize where possible.
- Includes both published articles and working papers.

Results: Field Experiments



Introduction

Methods

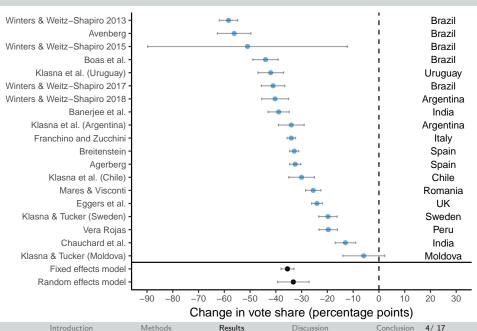
Results

Discussion

Conclusion

3/17

Results: Survey Experiments



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 - 68% of the total heterogeneity across studies can be accounted for by including a dummy variable for type of experiment.
 - Mixed effects meta-analysis with moderator.
 - Point estimate of this dummy variable (0 = field, 1 = survey) is equal to -0.33 (significant at 1% level), the same as the overall estimate across all studies (with no moderator).

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- Survey context does not mirror real-world settings:
 - Non-compliance
 - Differences in outcome choices
 - Costliness/decision complexity

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- P-curve virtually all results significant at 1% level (not clustered around 0.05 or 0.01).
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Introduction Methods Discussion Conclusion 7/17

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- Not enough data for formal tests.

Introduction Methods Discussion 7/17

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- No costs to selecting the socially desirable option in hypothetical vignette.
- Voting against corruption in the abstract may therefore reflect the respondents' actual preferences.
- In actual election voters may discount information, or have strong material/ideological incentives to stick with candidate.

Differences in experimental context: non compliance

Treatments are weak and easily missed in field experiments.

- In survey experiments ITT = ATE = CACE (LATE)
- Field experiments measure ITT as they do not know the non compliance rate. Non compliance necessarily reduces the ITT.
 - $ITT = CACE \times \pi_C$

Differences in experimental context: outcome choice

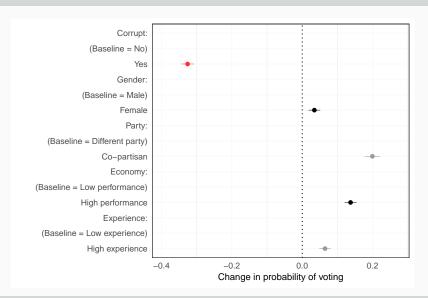
Choice set offered to voters is not necessarily identical across experiments. Example:

- Field experiment: Candidate A is randomly revealed to be corrupt, and voters can cast vote for corrupt candidate A, or candidate B, who may be clean or corrupt.
- Survey experiment: Candidate A is randomly revealed to be corrupt, and voters can cast vote for corrupt candidate A, or counterfactual Candidate A who *is not* corrupt.

Conjoint experiments: Randomizing more candidate characteristics may capture variety of moderating factors and reduce social desirability bias.

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 But, traditional method of analysis (comparing magnitudes of individual average marginal component effects) may be misleading.



Proposal: When researchers have strong theories about the conditions that shape voter decision-making, a more appropriate method may be to calculate average marginal effects in order to present predicted probabilities of voting for a candidate under these conditions.

• E.g. Compare the probability of voting for a realistic candidate with outlier characteristics such as corruption to the probability of voting for a realistic candidate without this characteristic. Example 1 Example 2 Example 3

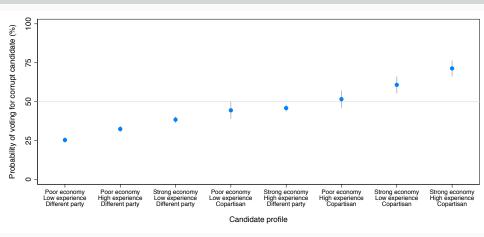


Figure 2: Breitenstein (2019) conjoint: can the right candidate overcome corruption?

Proposal: When we do not have strong theories about the conditions that shape voter decision-making, we can use regression trees to illuminate them.

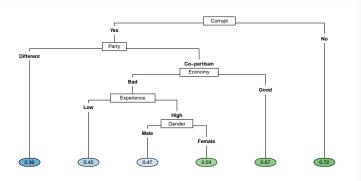


Figure 3: Breitenstein (2019) conjoint decision tree: predicted probabilities of voting for candidate

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- Researchers should exercise caution when interpreting actions taken in hypothetical vignettes as indicative of real world behavior such as voting.

Supplemental material

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- Point estimates, standard errors and/or confidence intervals are not always explicitly reported (4 cases). In these cases standard errors are estimated by digitally measuring coefficient plots.
- Two field experiments include general anti-corruption treatments not specific to candidates. Robustness check excludes these studies.

Lab experiments Back

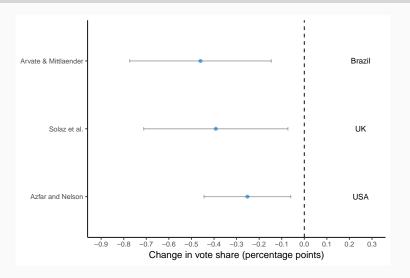


Figure 4: Lab experiments: Average treatment effect of corruption information on vote share

Robustness checks

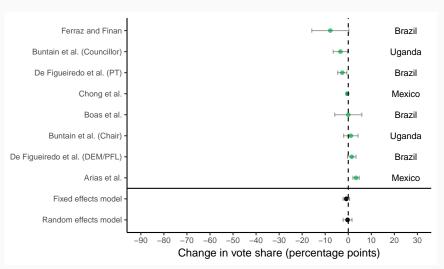


Figure 5: Field experiments: Average treatment effect of corruption information on incumbent vote share (excluding Banerjee et al. (2010) and Banerjee et al. (2011))

Mixed effects meta-analysis with survey experiment moderator

Table 1: Mixed effects meta-analysis with survey experiment moderator

Value	Estimate	
Constant	-0.005	
	(0.035)	
Survey experiment moderator	-0.326	
	(0.043)	

Note: Standard errors in parenthesis.

Back

Table 2: Regression tests for funnel plot asymmetry

Studies included	p value
All	0.0004
All with moderator	0.765
Field	0.840
Survey	0.630

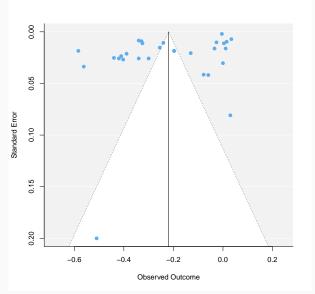


Figure 6: Funnel plot: All experiments

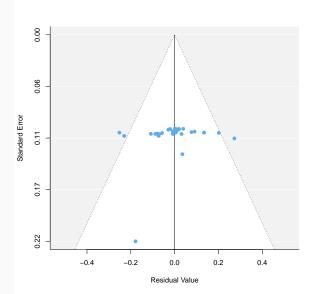


Figure 7: Funnel plot: All experiments with field experiment moderator

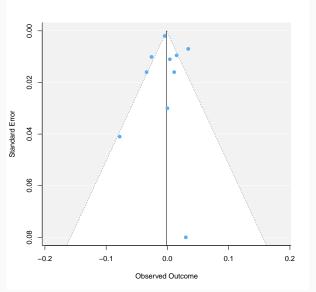


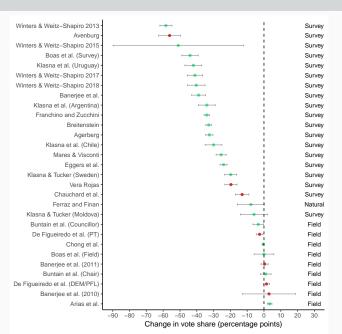
Figure 8: Funnel plot: Field experiments

Does p-value predict publication status? Back

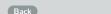
Table 3: Do p-values predict publication status?

	Dependent variable: Published	
	OLS	Logit
Reference: P less than 0.01	0.84***	1.67***
	(0.10)	(0.63)
P less than 0.05	-0.18	-0.98
	(0.27)	(1.38)
P less than 0.1	0.16	14.89
	(0.44)	(2,399.54)
P greater than 0.1	-0.34	-1.67
	(0.20)	(1.03)
Observations	29	29
Note:	*p<0.1; **p<0.05; ***p<0.01	

All experiments by publication status Back



Additional conjoint replications: Franchino and Zucchini (2015)



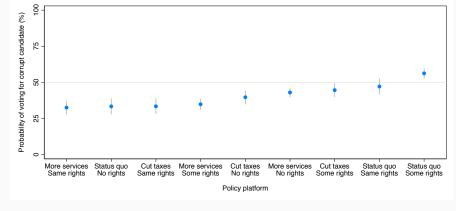


Figure 10: Franchino and Zucchini (2015) conjoint: can policy positions overcome corruption (conservative respondents)?

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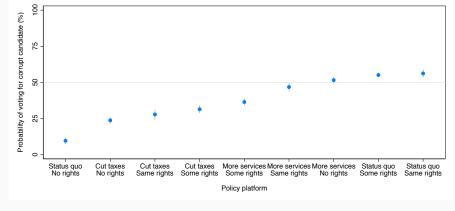


Figure 11: Franchino and Zucchini (2015) conjoint: can policy positions overcome corruption (liberal respondents)?

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