

Appendices

A Covariate Balance

A.1 Descriptives of Covariates and Covariate Balance

| Variable | Levels | n | Min | \tilde{x} | \bar{x} | s | Max | #NA |
|-------------------|--------------------|------|-----|-------------|-----------|-------|-----|-----|
| Age | Control | 656 | 18 | 34 | 37.06 | 12.96 | 83 | 19 |
| | Public Policy | 666 | 18 | 34 | 38.22 | 14.31 | 87 | 19 |
| | Social Sanctioning | 633 | 18 | 34 | 37.99 | 14.17 | 90 | 20 |
| | Legal | 661 | 18 | 34 | 37.40 | 13.38 | 84 | 14 |
| | all | 2616 | 18 | 34 | 37.67 | 13.71 | 90 | 72 |
| Ballot not Secret | Control | 662 | 0 | 0 | 0.07 | 0.25 | 1 | 13 |
| | Public Policy | 670 | 0 | 0 | 0.07 | 0.26 | 1 | 15 |
| | Social Sanctioning | 640 | 0 | 0 | 0.07 | 0.26 | 1 | 13 |
| | Legal | 668 | 0 | 0 | 0.08 | 0.27 | 1 | 7 |
| | all | 2640 | 0 | 0 | 0.07 | 0.26 | 1 | 48 |
| Female | Control | 674 | 0 | 1 | 0.54 | 0.50 | 1 | 1 |
| | Public Policy | 685 | 0 | 1 | 0.54 | 0.50 | 1 | 0 |
| | Social Sanctioning | 653 | 0 | 0 | 0.49 | 0.50 | 1 | 0 |
| | Legal | 675 | 0 | 1 | 0.55 | 0.50 | 1 | 0 |
| | all | 2687 | 0 | 1 | 0.53 | 0.50 | 1 | 1 |
| High School | Control | 664 | 0 | 0 | 0.45 | 0.50 | 1 | 11 |
| | Public Policy | 680 | 0 | 0 | 0.45 | 0.50 | 1 | 5 |
| | Social Sanctioning | 649 | 0 | 0 | 0.41 | 0.49 | 1 | 4 |
| | Legal | 670 | 0 | 0 | 0.40 | 0.49 | 1 | 5 |
| | all | 2663 | 0 | 0 | 0.43 | 0.49 | 1 | 25 |
| Muslim | Control | 668 | 0 | 0 | 0.15 | 0.36 | 1 | 7 |
| | Public Policy | 684 | 0 | 0 | 0.15 | 0.36 | 1 | 1 |
| | Social Sanctioning | 651 | 0 | 0 | 0.15 | 0.36 | 1 | 2 |
| | Legal | 671 | 0 | 0 | 0.14 | 0.35 | 1 | 4 |
| | all | 2674 | 0 | 0 | 0.15 | 0.36 | 1 | 14 |
| Rural | Control | 675 | 0 | 1 | 0.67 | 0.47 | 1 | 0 |
| | Public Policy | 685 | 0 | 1 | 0.65 | 0.48 | 1 | 0 |
| | Social Sanctioning | 653 | 0 | 1 | 0.66 | 0.47 | 1 | 0 |
| | Legal | 675 | 0 | 1 | 0.66 | 0.47 | 1 | 0 |
| | all | 2688 | 0 | 1 | 0.66 | 0.47 | 1 | 0 |
| Food deprived | Control | 672 | 0 | 0 | 0.09 | 0.28 | 1 | 3 |
| | Public Policy | 684 | 0 | 0 | 0.10 | 0.30 | 1 | 1 |
| | Social Sanctioning | 651 | 0 | 0 | 0.09 | 0.29 | 1 | 2 |
| | Legal | 674 | 0 | 0 | 0.11 | 0.32 | 1 | 1 |
| | all | 2681 | 0 | 0 | 0.10 | 0.30 | 1 | 7 |
| Econ. Index | Control | 663 | 1 | 4 | 3.60 | 1.31 | 7 | 12 |
| | Public Policy | 676 | 1 | 4 | 3.65 | 1.30 | 7 | 9 |
| | Social Sanctioning | 644 | 1 | 4 | 3.62 | 1.24 | 7 | 9 |
| | Legal | 669 | 1 | 4 | 3.60 | 1.29 | 7 | 6 |
| | all | 2652 | 1 | 4 | 3.62 | 1.28 | 7 | 36 |

Table 1: A balance table of continuous descriptive statistics

| Variable | Levels | n_Control | %Control | n_PublicPolicy | %PublicPolicy | n_SocialSanctioning | %SocialSanctioning | n_Legal | %Legal | n_all | %all |
|--------------|---------------|-----------|----------|----------------|---------------|---------------------|--------------------|---------|--------|-------|-------|
| Ethnic Group | Kikuyu | 140 | 20.7 | 147 | 21.5 | 140 | 21.4 | 148 | 21.9 | 575 | 21.4 |
| | Luo | 88 | 13.0 | 102 | 14.9 | 99 | 15.2 | 84 | 12.4 | 373 | 13.9 |
| | Luhya | 83 | 12.3 | 83 | 12.1 | 72 | 11.0 | 96 | 14.2 | 334 | 12.4 |
| | Kamba | 55 | 8.2 | 54 | 7.9 | 53 | 8.1 | 40 | 5.9 | 202 | 7.5 |
| | Kalenjin | 70 | 10.4 | 65 | 9.5 | 70 | 10.7 | 71 | 10.5 | 276 | 10.3 |
| | Somali | 61 | 9.0 | 60 | 8.8 | 59 | 9.0 | 56 | 8.3 | 236 | 8.8 |
| | Mijikenda | 41 | 6.1 | 43 | 6.3 | 42 | 6.4 | 40 | 5.9 | 166 | 6.2 |
| | Other | 95 | 14.1 | 83 | 12.1 | 81 | 12.4 | 93 | 13.8 | 352 | 13.1 |
| | missing | 42 | 6.2 | 48 | 7.0 | 37 | 5.7 | 47 | 7.0 | 174 | 6.5 |
| all | | 675 | 100.0 | 685 | 100.0 | 653 | 100.0 | 675 | 100.0 | 2688 | 100.0 |
| Vote Buying | Nobody | 32 | 4.7 | 31 | 4.5 | 26 | 4.0 | 30 | 4.4 | 119 | 4.4 |
| | A few people | 339 | 50.2 | 352 | 51.4 | 329 | 50.4 | 328 | 48.6 | 1348 | 50.1 |
| | Most people | 234 | 34.7 | 224 | 32.7 | 214 | 32.8 | 244 | 36.1 | 916 | 34.1 |
| | Everyone | 49 | 7.3 | 54 | 7.9 | 59 | 9.0 | 49 | 7.3 | 211 | 7.8 |
| | missing | 21 | 3.1 | 24 | 3.5 | 25 | 3.8 | 24 | 3.6 | 94 | 3.5 |
| all | | 675 | 100.0 | 685 | 100.0 | 653 | 100.0 | 675 | 100.0 | 2688 | 100.0 |
| Province | Nairobi | 69 | 10.2 | 70 | 10.2 | 70 | 10.7 | 71 | 10.5 | 280 | 10.4 |
| | Central | 95 | 14.1 | 100 | 14.6 | 91 | 13.9 | 98 | 14.5 | 384 | 14.3 |
| | Eastern | 99 | 14.7 | 95 | 13.9 | 94 | 14.4 | 96 | 14.2 | 384 | 14.3 |
| | Rift Valley | 146 | 21.6 | 139 | 20.3 | 136 | 20.8 | 139 | 20.6 | 560 | 20.8 |
| | Nyanza | 88 | 13.0 | 96 | 14.0 | 87 | 13.3 | 81 | 12.0 | 352 | 13.1 |
| | Western | 64 | 9.5 | 73 | 10.7 | 64 | 9.8 | 79 | 11.7 | 280 | 10.4 |
| | North Eastern | 61 | 9.0 | 60 | 8.8 | 59 | 9.0 | 60 | 8.9 | 240 | 8.9 |
| | Coast | 53 | 7.8 | 52 | 7.6 | 52 | 8.0 | 51 | 7.6 | 208 | 7.7 |
| all | | 675 | 100.0 | 685 | 100.0 | 653 | 100.0 | 675 | 100.0 | 2688 | 100.0 |

Table 2: A balance table of nominal descriptive statistics

| | $\ln(\frac{\pi_{PP}}{\pi_{Control}})$ | $\ln(\frac{\pi_{SS}}{\pi_{Control}})$ | $\ln(\frac{\pi_{Legal}}{\pi_{Control}})$ | $\ln(\frac{\pi_{PP}}{\pi_{Control}})$ | $\ln(\frac{\pi_{SS}}{\pi_{Control}})$ | $\ln(\frac{\pi_{Legal}}{\pi_{Control}})$ |
|----------------------------------|---------------------------------------|---------------------------------------|--|---------------------------------------|---------------------------------------|--|
| | Model 1 | | | Model 2 | | |
| Constant | -0.23 (0.38) | -0.02 (0.38) | 0.31 (0.38) | 0.02 (0.06) | -0.02 (0.06) | 0.02 (0.06) |
| Ballot not Secret | -0.04 (0.25) | -0.04 (0.25) | 0.10 (0.24) | | | |
| Perceived vote-buying (ref none) | | | | | | |
| Few People | 0.16 (0.24) | 0.40 (0.25) | 0.27 (0.25) | | | |
| Most People | 0.16 (0.19) | 0.09 (0.20) | -0.01 (0.20) | | | |
| Everyone | 0.18 (0.12) | 0.16 (0.12) | 0.04 (0.12) | | | |
| Age | 0.00 (0.00) | 0.01 (0.00) | -0.00 (0.00) | | | |
| Female | 0.04 (0.12) | -0.18 (0.12) | 0.15 (0.12) | | | |
| High Sch. | 0.07 (0.14) | -0.12 (0.14) | -0.31* (0.14) | | | |
| Muslim | 0.20 (0.29) | 0.02 (0.30) | -0.14 (0.30) | | | |
| Rural | -0.15 (0.15) | -0.09 (0.15) | -0.18 (0.15) | | | |
| Food Deprived | 0.34 (0.23) | 0.18 (0.24) | 0.52* (0.23) | | | |
| Econ Index | 0.01 (0.05) | 0.02 (0.05) | 0.01 (0.05) | | | |
| Ethnic Group (ref Kikuyu) | | | | | | |
| Luo | 0.29 (0.34) | 0.13 (0.34) | -0.19 (0.35) | | | |
| Luhya | -0.12 (0.31) | -0.29 (0.32) | -0.05 (0.31) | | | |
| Kamba | -0.02 (0.32) | -0.01 (0.32) | -0.53 (0.33) | | | |
| Kalenjin | 0.02 (0.29) | 0.32 (0.30) | 0.27 (0.29) | | | |
| Somali | -0.36 (0.70) | -0.06 (0.69) | -0.05 (0.69) | | | |
| Mijikenda | 0.80 (0.69) | 0.03 (0.62) | 0.02 (0.63) | | | |
| Other Ethnic Group | 0.00 (0.28) | -0.02 (0.28) | -0.07 (0.28) | | | |
| Province (ref Nairobi) | | | | | | |
| Central | 0.10 (0.31) | -0.15 (0.31) | -0.10 (0.31) | | | |
| Eastern | 0.05 (0.30) | -0.08 (0.31) | 0.06 (0.31) | | | |
| Rift Valley | 0.07 (0.28) | -0.27 (0.29) | -0.24 (0.28) | | | |
| Nyanza | -0.07 (0.33) | -0.24 (0.34) | -0.19 (0.34) | | | |
| Western | 0.20 (0.35) | 0.14 (0.36) | 0.12 (0.35) | | | |
| North Eastern | 0.20 (0.67) | -0.24 (0.67) | -0.17 (0.67) | | | |
| Coast | -0.74 (0.63) | 0.00 (0.55) | -0.17 (0.57) | | | |
| AIC | 6430.15 | | | 6337.72 | | |
| BIC | 6877.38 | | | 6354.92 | | |
| Log Likelihood | -3137.08 | | | -3165.86 | | |
| Deviance | 6274.15 | | | 6331.72 | | |
| Num. obs. | 2284 | | | 2284 | | |

* $p < 0.05$

Table 3: The results of a multinomial logistic regression to test for covariate balance, where the treatment status is regressed on covariates which may be correlated with assignment in Model 1 and treatment status is only regressed on an intercept in Model 2. The results of the likelihood ratio test shows that we can reject the hypothesis that the model including covariates is better than the model with no covariates chi-squared on 75 d.f. = 57.56712 p-value = 0.9326684. Only observations with no missingness for any covariate are used for the test.

B Graph of Non-Treatment Outcome by OrdinalGroup

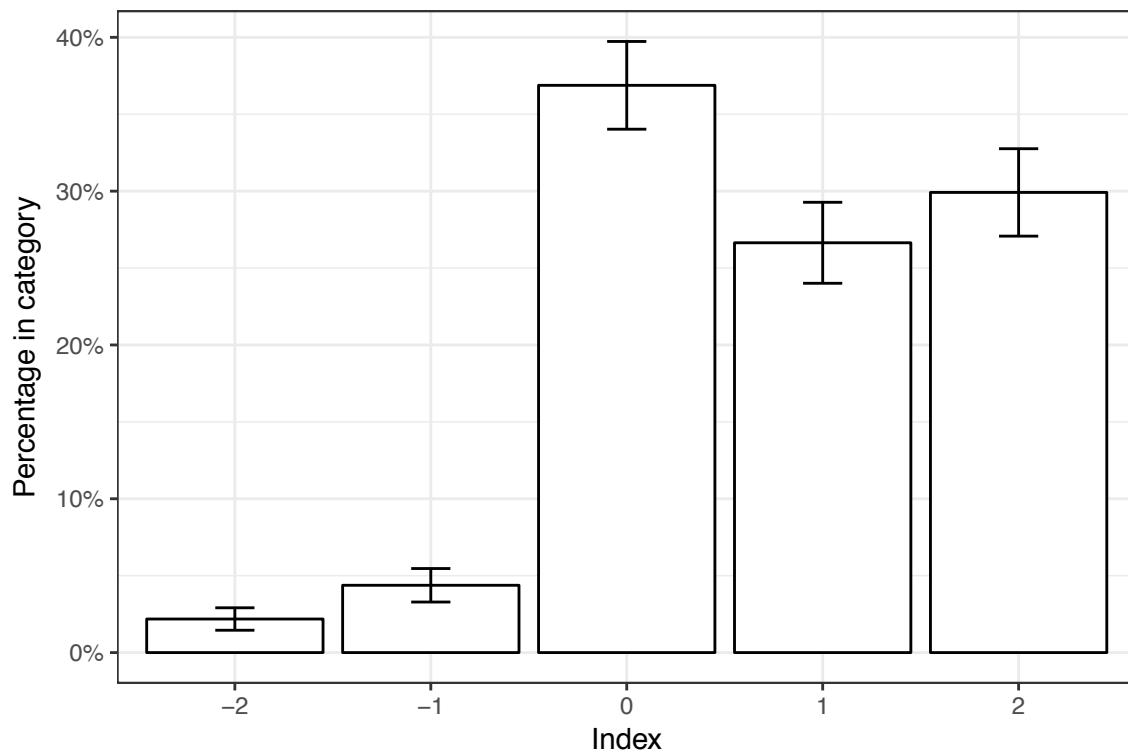


Figure 1: Outcome index of non-treatment group with survey weights and design-based 95% confidence intervals.

C Regression Tables and Robustness Checks

Table 4: All regressions are implemented using the `survey` package (Lumley 2010), using survey design-based weights and estimated via maximum likelihood.

| | Dependent variable: | | | | | | | | |
|--|---|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | Index of Vote-selling preference (z-scores) | | | | | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| Treatments (ref Control) | | | | | | | | | |
| Public Service Predation | 0.18* | 0.18* | 0.20* | 0.15* | 0.07 | 0.25* | 0.16 | 0.17* | 0.16* |
| | (0.08) | (0.07) | (0.07) | (0.07) | (0.12) | (0.12) | (0.13) | (0.07) | (0.08) |
| Social Sanctioning | 0.20* | 0.22* | 0.23* | 0.22* | 0.17 | 0.33* | 0.38* | 0.23* | 0.24* |
| | (0.08) | (0.09) | (0.09) | (0.08) | (0.13) | (0.11) | (0.15) | (0.08) | (0.09) |
| Legal | 0.17 | 0.20* | 0.24* | 0.23* | 0.30* | 0.33* | 0.24 | 0.21* | 0.18 |
| | (0.09) | (0.09) | (0.09) | (0.09) | (0.13) | (0.14) | (0.15) | (0.09) | (0.10)* |
| Ballot not Secret (0-1) | -0.40* | -0.39* | -0.35 | -0.35 | -0.35 | -0.34 | -0.35 | -0.35 | -0.40* |
| | (0.17) | (0.18) | (0.18) | (0.18) | (0.18) | (0.18) | (0.18) | (0.41) | (0.17) |
| Vote Buying (ref None) | | | | | | | | | |
| Few People | 0.70* | 0.67* | 0.66* | 0.66* | 0.66* | 0.66* | 0.65* | 0.65* | 0.70* |
| | (0.26) | (0.26) | (0.23) | (0.23) | (0.23) | (0.23) | (0.22) | (0.22) | (0.26) |
| Most People | 0.65* | 0.61* | 0.55* | 0.55* | 0.55* | 0.55* | 0.53* | 0.64* | |
| | (0.25) | (0.25) | (0.23) | (0.22) | (0.22) | (0.23) | (0.22) | (0.22) | (0.25) |
| Everyone | 0.32 | 0.31 | 0.21 | 0.22 | 0.21 | 0.19 | 0.20 | 0.38 | |
| | (0.25) | (0.25) | (0.26) | (0.25) | (0.26) | (0.26) | (0.25) | (0.25) | (0.25) |
| Age | 0.01 | 0.005 | 0.01* | 0.01* | 0.01* | 0.01* | 0.01* | 0.01* | 0.01 |
| | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) | (0.003) |
| Food deprived | -0.18 | -0.19 | -0.17 | -0.18* | -0.17 | -0.19* | -0.17 | -0.17 | -0.04 |
| | (0.10) | (0.11) | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) | (0.09) | (0.28) |
| +High sch. | 0.14* | 0.13* | 0.16* | 0.13 | 0.16* | 0.16* | 0.16* | 0.16* | 0.15* |
| | (0.06) | (0.06) | (0.06) | (0.06) | (0.06) | (0.06) | (0.06) | (0.06) | (0.06) |
| Muslim | 0.14 | 0.14 | 0.18 | 0.17 | 0.18 | 0.19 | 0.17 | 0.17 | |
| | (0.11) | (0.13) | (0.12) | (0.12) | (0.12) | (0.12) | (0.12) | (0.12) | |
| Female | -0.09 | -0.07 | -0.04 | -0.03 | 0.10 | -0.03 | -0.03 | -0.03 | -0.09 |
| | (0.06) | (0.06) | (0.06) | (0.06) | (0.12) | (0.06) | (0.06) | (0.06) | (0.06) |
| Rural | -0.01 | 0.003 | -0.01 | -0.01 | -0.01 | -0.005 | 0.06 | -0.01 | -0.02 |
| | (0.08) | (0.09) | (0.08) | (0.07) | (0.08) | (0.08) | (0.14) | (0.08) | (0.08) |
| Social Sanctioning × +High Sch. | | | | | 0.17 | | | | |
| Public Service Predation × +High Sch. | | | | | (0.19) | | | | |
| Legal × +High Sch. | | | | | (0.18) | | | | |
| Social Sanctioning × Female | | | | | (0.16) | | | | |
| Public Service Predation × Female | | | | | (0.20) | | | | |
| Legal × Female | | | | | (0.16) | | | | |
| Social Sanctioning × Rural | | | | | (0.17) | | | | |
| Public Service Predation × Rural | | | | | (0.02) | | | | |
| Legal × Rural | | | | | (0.16) | | | | |
| Social Sanctioning × Ballot not Secret | | | | | (0.18) | | | | |
| Public Service Predation × Ballot not Secret | | | | | (0.36) | | | | |
| Legal × Ballot not Secret | | | | | (0.45) | | | | |
| Social Sanctioning × Food deprived | | | | | (0.04) | | | | |
| Public Service Predation × Food deprived | | | | | (0.48) | | | | |
| Legal × Food deprived | | | | | 0.26 | | | | |
| Constant | 0.00 | -0.81* | -0.92* | -0.95* | -0.92* | -1.03* | -0.98* | -0.93* | -0.81* |
| | (0.06) | (0.28) | (0.29) | (0.31) | (0.29) | (0.32) | (0.31) | (0.30) | (0.28) |
| Interviewer Fixed Effects | No | No | No | Yes | Yes | Yes | Yes | Yes | Yes |
| Ethnic Group Fixed Effects | No | No | Yes |
| Province Fixed Effects | No | No | Yes |
| Observations | 2,501 | 2,330 | 2,184 | 2,184 | 2,184 | 2,184 | 2,184 | 2,184 | 2,339 |
| Log Likelihood | -4,404.81 | -4,062.48 | -3,794.52 | -3,449.43 | -3,445.61 | -3,447.77 | -3,447.12 | -3,446.98 | -4,082.40 |
| Akaike Inf. Crit. | 8,817.61 | 8,152.96 | 7,645.05 | 7,164.86 | 7,163.22 | 7,167.54 | 7,166.24 | 7,165.95 | 8,196.80 |

Note:

* p<0.05

| variable | theta | SE | t | p |
|--------------------|-------|------|------|------|
| Public Policy | 0.25 | 0.11 | 2.40 | 0.02 |
| Social Sanctioning | 0.27 | 0.13 | 2.11 | 0.03 |
| Legal | 0.25 | 0.13 | 1.88 | 0.06 |
| -2 -1 | -3.62 | 0.19 | | |
| -1 0 | -2.47 | 0.13 | | |
| 0 1 | -0.07 | 0.10 | | |
| 1 2 | 1.05 | 0.11 | | |

Table 5: Results of an ordered logistic regression with survey weights, which shows the statistical significance of two of three treatments, based on 2501 observations, mirroring the least squares interpretation in the paper, though the legal treatment is now no longer statistically significant.

D Analysis without ‘Ambiguous’ Respondents Removed

| Comparison | Difference | t | P-value |
|------------------------------------|------------|------|------------|
| Control - Public Service Predation | 0.13 | 2.18 | 0.03/0.045 |
| Control - Social Sanctioning | 0.15 | 2.19 | 0.03/0.045 |
| Control - Legal | 0.11 | 1.63 | 0.1/0.1 |

Table 6: Two-tailed difference in means where differences are in z-score units and the Ambiguous respondents are dropped from the analysis. The tests adjust for the survey design. In the p-value column, both p-values without corrections for multiple comparisons and Benjamini-Hochberg adjusted p-values are shown.

Table 7: All regressions are implemented using the **survey** package ([Lumley 2010](#)), using survey design-based weights and estimated via maximum likelihood. In these specifications, those respondents who gave ambiguous response patterns are dropped from the analysis, yielding a sample size with 107 fewer respondents

| | <i>Dependent variable:</i> | | | |
|----------------------------|---|-----------|-----------|-----------|
| | Index of Vote-selling preference (z-scores) | | | |
| | (1) | (2) | (3) | (4) |
| Treatments (ref Control) | | | | |
| Public Service Predation | 0.13* | 0.13* | 0.14* | 0.11 |
| | (0.06) | (0.06) | (0.06) | (0.06) |
| Social Sanctioning | 0.15* | 0.15* | 0.16* | 0.15* |
| | (0.07) | (0.07) | (0.07) | (0.07) |
| Legal | 0.11 | 0.13 | 0.17* | 0.17* |
| | (0.07) | (0.07) | (0.07) | (0.07) |
| Ballot not Secret (0-1) | | -0.33* | -0.31* | -0.28 |
| | | (0.14) | (0.14) | (0.15) |
| Vote Buying (ref None) | | | | |
| Few People | | 0.56* | 0.53* | 0.51* |
| | | (0.21) | (0.21) | (0.19) |
| Most People | | 0.53* | 0.50* | 0.44* |
| | | (0.20) | (0.21) | (0.18) |
| Everyone | | 0.27 | 0.27 | 0.17 |
| | | (0.20) | (0.20) | (0.21) |
| Age | | 0.004 | 0.004 | 0.004* |
| | | (0.002) | (0.003) | (0.002) |
| Food deprived | | -0.12 | -0.11 | -0.12 |
| | | (0.08) | (0.09) | (0.07) |
| +High sch. | | 0.11* | 0.10* | 0.12* |
| | | (0.05) | (0.05) | (0.04) |
| Muslim | | 0.09 | 0.08 | 0.11 |
| | | (0.09) | (0.10) | (0.09) |
| Female | | -0.08 | -0.06 | -0.04 |
| | | (0.05) | (0.05) | (0.05) |
| Rural | | 0.02 | 0.02 | 0.02 |
| | | (0.06) | (0.07) | (0.06) |
| Constant | 0.00 | -0.68* | -0.78* | -0.74* |
| | (0.05) | (0.22) | (0.24) | (0.24) |
| Interviewer Fixed Effects | No | No | No | Yes |
| Ethnic Group Fixed Effects | No | No | Yes | Yes |
| Province Fixed Effects | No | No | Yes | Yes |
| Observations | 2,376 | 2,216 | 2,078 | 2,078 |
| Log Likelihood | -3,579.76 | -3,299.08 | -3,081.82 | -2,731.79 |
| Akaike Inf. Crit. | 7,167.51 | 6,626.17 | 6,219.64 | 5,729.58 |

Note:

*p<0.05

E Regression on Individual Components of Index

Table 8: All regressions are implemented using the survey package (Lumley 2010), using survey design-based weights and estimated via maximum likelihood. In these models, all three composite binary variables are run as separate linear probability models and all the dependent variables are scaled so that one (1) is associated with an anti-vote-selling attitude.

| | Dependent variable: | | | | | | | | | | | |
|----------------------------|---------------------|-----------|-----------|--------------|-----------|----------|--------------|----------|-----------|-----------|-----------|-----------|
| | Refuse Bribe | | | Comply Bribe | | | Defect Bribe | | | | | |
| | (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) | (10) | (11) | (12) |
| Treatments (ref Control) | | | | | | | | | | | | |
| Public Service Predation | 0.06* | 0.06* | 0.07* | 0.05 | 0.05 | 0.05* | 0.06* | 0.05* | -0.03 | -0.02 | -0.02 | -0.03 |
| Social Sanctioning | 0.04 | 0.04 | 0.04 | 0.03 | 0.03 | 0.06* | 0.07* | 0.08* | (0.03) | (0.03) | (0.03) | (0.03) |
| Legal | (0.03) | (0.04) | (0.04) | (0.03) | (0.03) | (0.03) | (0.03) | (0.02) | 0.02 | 0.02 | 0.02 | 0.01 |
| Ballot not Secret (0-1) | 0.01 | 0.02 | 0.03 | 0.04 | 0.04 | 0.07* | 0.07* | 0.09* | (0.03) | (0.03) | (0.03) | (0.03) |
| Vote Buying (ref None) | -0.12* | -0.09 | -0.04 | -0.09 | -0.08 | (0.02) | (0.02) | (0.02) | 0.004 | 0.004 | 0.004 | 0.004 |
| Few People | 0.16* | 0.15 | 0.13 | 0.15 | 0.19* | 0.17* | 0.19* | -0.06 | -0.02 | -0.02 | -0.02 | -0.02 |
| Most People | 0.13 | 0.11 | 0.11 | 0.11 | 0.16* | 0.15* | 0.17* | (0.08) | (0.08) | (0.07) | (0.07) | (0.07) |
| Everyone | (0.07) | (0.07) | (0.06) | (0.07) | (0.08) | (0.08) | (0.08) | (0.07) | (0.07) | (0.07) | (0.07) | (0.07) |
| Age | 0.05 | 0.05 | 0.05 | 0.05 | 0.01 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 | 0.09 |
| + High sch. | 0.005 | 0.003 | 0.003 | 0.003 | 0.01 | 0.03* | 0.03* | 0.03 | 0.01 | 0.01 | 0.01 | 0.01 |
| Food deprived | -0.04 | -0.04 | -0.01 | -0.01 | -0.01 | -0.04 | -0.05 | -0.05 | -0.06 | -0.02 | -0.04 | -0.06 |
| Muslim | -0.003 | 0.02 | 0.03 | 0.04* | 0.04* | 0.03 | 0.03 | 0.03 | 0.03 | 0.07 | 0.05 | 0.10 |
| Female | (0.05) | (0.06) | (0.05) | (0.05) | (0.02) | (0.02) | (0.02) | (0.02) | (0.02) | (0.04) | (0.06) | (0.06) |
| Rural | -0.01 | -0.003 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.02 | 0.02 | -0.10* | -0.10* | -0.09* |
| Constant | 0.59* | 0.38* | 0.30* | 0.38* | 0.84* | 0.84* | 0.66* | 0.69* | 0.60* | 0.41* | 0.34* | 0.18 |
| Interviewer Fixed Effects | No | No | No | Yes | No | No | Yes | No | No | No | No | Yes |
| Ethnic Group Fixed Effects | No | No | Yes | Yes | No | No | Yes | No | No | Yes | Yes | Yes |
| Province Fixed Effects | No | No | Yes | Yes | No | No | Yes | No | No | Yes | Yes | Yes |
| Observations | 2,627 | 2,424 | 2,271 | 2,271 | 2,591 | 2,394 | 2,241 | 2,241 | 2,549 | 2,367 | 2,221 | 2,221 |
| Log Likelihood | -2,239.89 | -2,045.09 | -1,886.91 | -1,515.54 | -1,101.94 | -953.79 | -874.40 | -689.19 | -2,184.54 | -1,990.14 | -1,841.86 | -1,541.16 |
| Akaike Inf. Crit. | 4,487.77 | 4,118.18 | 3,829.83 | 3,297.07 | 2,211.88 | 1,935.58 | 1,804.81 | 1,644.38 | 4,377.08 | 4,008.28 | 3,739.73 | 3,348.32 |

Note:

* p<0.05

F Survey Design

The survey was part of large nationally representative survey about Kenyan political opinion carried out by a non-governmental organization. All of the enumerators were trained in person in Nairobi and 10% of all questionnaires were back-checked in person to assure quality control. The survey employed a multi-stage cluster sample design, where the polling stations from the 2010 constitutional referendum were used as the primary sampling units (PSUs). Given that polling stations are of unequal size, polling stations are selected within strata using probability proportional to size (pps) sampling. Within each PSU, the version of the survey the respondents received was randomized. Since the experiment was attached to an already extant survey deployed to obtain a national representative sample of voters, I am unable to implement a random block design or a matched pair design, both of which are seen as more efficient methods ([Iacus et al. 2012](#)). While these methods are valuable, they are prohibitively expensive when carrying out national surveys because no sampling frame of the population exists and interviews need to be face-to-face. In practice, there is little difference in outcomes between my method and random block or matched paired methods with samples of over 300 or more [Bruhn and McKenzie \(2008\)](#).

Appendix References

1. Bruhn, Miriam and David J. McKenzie (2008). In Pursuit of Balance: Randomization in Practice in Development Field Experiments. Policy Research Working Paper 4752, World Bank.
2. Iacus, Stefano M., Gary King, and Giuseppe Porro (2012). Causal Inference without Balance Checking: Coarsened Exact Matching. *Political Analysis* 20(1), 1–24.