# Online Appendix for "Does Corruption Deter Female Leadership in Firms?"

July 14, 2025

# A Population Weighting and Alternative Corruption Measures

Table A1: The effect of corruption on the share of leadership positions held by women.

	Employers	Managers Directors	Leadership
	1 0	& Executives	•
Panel A: OLS with Ba	seline Controls wi	ith Population as An	alytic Weights
Corruption per-capita	-0.236**	-0.222***	-0.197***
	(0.086)	(0.066)	(0.057)
N	878	930	933
adj. $R^2$	0.073	0.068	0.097
Panel B: OLS with Ba	seline Controls	Pre-2010 Data	
Corruption per-capita	-0.096	-0.291**	-0.190
	(0.214)	(0.118)	(0.117)
N	496	523	525
adj. $R^2$	0.011	0.061	0.060
Panel C: OLS with Ba	seline Controls -	Ferraz and Finan (2	011) Data
Corruption per-capita	0.008	-0.121**	-0.060
	(0.079)	(0.049)	(0.037)
N	458	472	475
adj. $R^2$	0.042	0.115	0.088
Panel D: OLS with Ba	seline Controls -		ber of Audits
Corruption per-capita	-0.297**	-0.214**	-0.178**
	(0.138)	(0.084)	(0.077)
N	878	930	933
adj. $R^2$	0.023	0.053	0.058
Panel E: OLS with Ba			
Corruption per-capita	-0.293**	-0.214**	-0.175**
	(0.138)	(0.083)	(0.077)
N	878	930	933
adj. $R^2$	0.023	0.050	0.057

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. See Table 3 for a list of the baseline controls used in regressions. Standard errors clustered by state in parentheses. Panel A weights each observation (municipality) OLS regression according to its population. Panel D includes a control for the number of times the municipality has been audited. Panel E includes a dummy for whether the municipality has been audited more than once.

Table A2: The effect of corruption on the share of women that are in the labor force and the share of the female labor force that hold leadership positions.

	Labor Force	Employers	Managers Directors & Executives	Leadership
Panel A: OLS with Be	aseline Controls a	-	Ü	ets
Corruption per-capita	-0.070	-0.015***	-0.021**	-0.035***
	(0.091)	(0.004)	(0.007)	(0.009)
N	935	935	935	935
adj. $R^2$	0.785	0.442	0.432	0.536
Panel B: OLS with Be	aseline Controls -	Pre-2010 Date	$\iota$	
Corruption per-capita	-0.070	-0.008	-0.017	-0.025
	(0.083)	(0.010)	(0.014)	(0.020)
N	527	527	527	527
adj. $R^2$	0.698	0.239	0.214	0.286
$\overline{\textbf{\textit{Panel C}}: OLS \ with \ B}$	aseline Controls -	- Ferraz and Fi	nan (2011) Data	
Corruption per-capita	-0.024	-0.003	-0.006	-0.009
	(0.025)	(0.005)	(0.006)	(0.009)
N	476	476	476	476
adj. $R^2$	0.712	0.303	0.211	0.307
$\overline{Panel \ D}$ : OLS with B	aseline Controls -		r Number of Audit	$\overline{s}$
Corruption per-capita	-0.094	-0.017***	-0.017*	-0.034***
	(0.072)	(0.005)	(0.009)	(0.012)
N	935	935	935	935
adj. $R^2$	0.697	0.239	0.193	0.274
Panel E: OLS with Be	aseline Controls -		Tultiple Audits	
Corruption per-capita	-0.094	-0.017***	-0.017*	-0.034***
	(0.072)	(0.005)	(0.009)	(0.012)
N	935	935	935	935
adj. $R^2$	0.696	0.238	0.193	0.274

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. See Table 3 for a list of the baseline controls used in regressions. Standard errors clustered by state in parenthesis. Panel A weights each observation (municipality) OLS regression according to its population. Panel D includes a control for the number of times the municipality has been audited. Panel E includes a dummy for whether the municipality has been audited more than once.

# B Main Results with Industry Share Controls

Table B1: Summary statistics for employment shares across industries

Variable	Mean	Std. Dev.	Min	Max
Agriculture	0.327	0.148	0.032	0.847
Extractive	0.005	0.017	0.000	0.234
Manufacturing	0.098	0.092	0.000	0.622
Utilities (Electricity, Water, Gas)	0.009	0.007	0.000	0.064
Construction	0.066	0.027	0.004	0.227
Retail and Wholesale	0.134	0.049	0.022	0.310
Transportation	0.028	0.016	0.000	0.151
Accommodation	0.033	0.018	0.000	0.183
Banking and Finance	0.005	0.004	0.000	0.026
Professional Services	0.025	0.017	0.000	0.118
Education	0.077	0.041	0.010	0.262
Healthcare	0.029	0.015	0.000	0.124
Public Administration	0.085	0.054	0.014	0.547
Domestic Services	0.067	0.027	0.005	0.187

 $\it Notes$ : Summary statistics presented for the full sample of 935 municipalities with available corruption audit data.

Table B2: The effect of corruption on the share of leadership positions held by women; industry shares included as additional controls.

	Employers	Managers Directors & Executives	Leadership
Panel A: Full Sample			
Corruption per-capita	-0.143	-0.159	-0.132
	(0.131)	(0.093)	(0.083)
N	878	930	933
adj. $R^2$	0.037	0.044	0.062
Panel B: "Corrupt" Sec	tors Only		
Corruption per-capita	-0.351	0.529*	0.164
	(0.226)	(0.268)	(0.199)
N	553	639	719
adj. $R^2$	0.070	0.059	0.069

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. See Table 3 for a list of the baseline controls. Standard errors clustered by state in parentheses. See Table B1 for a list of sectors and summary statistics.

Table B3: The effect of corruption on the share of women that are in the labor force and the share of the female labor force that hold leadership positions.

	Labor Force	Employers	Managers Directors & Executives	Leadership
Panel A: Full Sample				
Corruption per-capita	0.002	-0.003	0.001	-0.002
	(0.066)	(0.005)	(0.009)	(0.012)
N	935	935	935	935
adj. $R^2$	0.774	0.290	0.259	0.355
Panel B: "Corrupt" S	ectors Only			
Corruption per-capita	-0.011	-0.005**	-0.007**	-0.011**
	(0.010)	(0.002)	(0.003)	(0.005)
N	935	935	935	935
adj. $R^2$	0.821	0.421	0.481	0.479

Notes: Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. See Table 3 for a list of the baseline controls. Standard errors clustered by state in parentheses. See Table B1 for a list of sectors and summary statistics.

# C Sample Consistency

Table C1: Summary statistics for reduced samples of Table 4

Variable	Obs	Mean	Std. Dev.	Min	Max
Sampl	e of Tal	ole 4, Panels	s A/C, Colum	nn 1   — in Figu	ire C1
Outcome: Female employers divided	d by total	employers in	the municipal	ity.	
Employers	878	0.263	0.184	0.000	1.000
Corruption					
(Log) Corruption per-capita	878	0.426	0.067	0.181	0.600
Municipal Level Controls (Basel				0.202	0.000
•		12,004.5	17 700 1	0.061.69	200 010 0
GDP per-capita (R\$) Population Density	878 878	85.456	17,790.1 $351.998$	2,261.63 $0.225$	298,819.8 $6140.697$
Size of Informal Sector (%)	878	0.590	0.191	0.128	0.970
College Degree (%)	878	0.051	0.030	0.003	0.235
Male (%)	878	0.504	0.015	0.465	0.658
Working Age (18-65 years) (%) Urban (%)	878 878	$0.597 \\ 0.631$	$0.046 \\ 0.215$	$0.392 \\ 0.050$	$0.698 \\ 0.999$
Sampl	e of Tab	ole 4, Panels	s B/D, Colum	nn 1   — in Figu	ire C1
<b>Outcome:</b> Female employers in corr Employers	rupt sector 553	ors divided by 0.273	$total\ employer \ 0.140$	s in corrupt secto 0.000	rs. 1.000
Corruption					
(Log) Corruption per-capita	553	0.410	0.067	0.181	0.583
Municipal Level Controls (Basel	ine Con	trols)			
GDP per-capita (R\$)	553	13,897.6	17677.1	2582.37	234,013.4
Population Density	553	111.182	435.759	0.372	6140.697
Size of Informal Sector (%)	553	0.537	0.188	0.170	0.970
College Degree (%)	553	0.060	0.033	0.003	0.235
Male (%)	553	0.502	0.014	0.465	0.553
Working Age (18-65 years) (%) Urban (%)	553 $553$	$0.607 \\ 0.687$	$0.045 \\ 0.206$	$0.392 \\ 0.085$	0.696 $0.999$
				nn 2   — in Figu	
-			•		
Outcome: Female Managers, Directors, or Executives	639	Executives (M 0.207	(DE) in corrupt 0.259	0.000 sect. div. by tota	1.000
Corruption					
(Log) Corruption per-capita	639	0.416	0.068	0.181	0.600
Municipal Level Controls (Basel	ine Con	${f trols})$			
GDP per-capita (R\$)	639	13,563.0	16,797.9	2,575.2	234,013.4
Population Density	639	103.660	410.467	0.232	6140.697
Size of Informal Sector (%) College Degree (%)	639 $639$	$0.547 \\ 0.057$	$0.189 \\ 0.032$	$0.128 \\ 0.006$	$0.970 \\ 0.235$
Male (%)	639	0.504	0.015	0.465	0.658
Working Age (18,Äì65 years) (%)	639	0.606	0.043	0.462	0.698
Urban (%)	639	0.672	0.208	0.085	0.999
Sampl	e of Tal	ole 4, Panels	s B/D, Colum	nn 3   — in Figu	ıre C1
Outcome: Female leaders divided by Leadership	y total lee 719	ndership posit 0.197	tions in the must 0.240	nicipality. 0.000	1.000
Corruption					
(Log) Corruption per-capita	719	0.419	0.067	0.181	0.600
Municipal Level Controls (Basel	ine Con	trols)			
GDP per-capita (R\$)	719	12,802.7	16,037.850	2,575.211	234,013.4
Population Density	719	96.584	387.725	0.232	6140.697
Size of Informal Sector (%)	719	0.563	0.191	0.128	0.970
College Degree (%)	719	0.055	0.031	0.003	0.235
Male (%) Working Age (18,Äì65 years) (%)	$719 \\ 719$	$0.504 \\ 0.602$	$0.015 \\ 0.046$	$0.465 \\ 0.392$	$0.658 \\ 0.698$
Urban (%)	719	0.659	0.210	0.085	0.999

Notes: In Table 2, some variables had less observations because some municipalities are small and have no leadership positions (e.g. Employment with 878 observations) making the denominator zero. Other municipalities had no employment (or no leadership positions) in the corrupt sectors. Here, we restrict the sample to provide summary statistics for those observations we have complete data for all outcome variables.

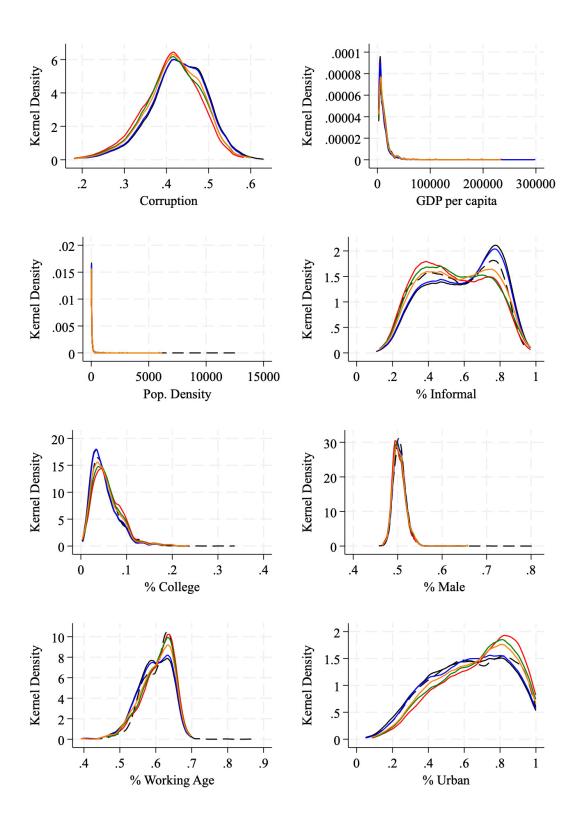


Figure C1: Kernel densities distribution of the independent variables *Note*: This figure plots the kernel densities of the explanatory variables for the different samples in the main results (Table 4). — Panels A/C, Column 1; — Panels B/D, Column 1; — Panels B/D, Column 2; — Panels B/D, Column 3. For reference, we also plot the distribution of the full sample (solid black line, —), and of all Brazilian municipalities eligible for treatment (dashed black line, ——).

### D "Non-Corrupt" Sectors

Table D1: Summary statistics for outcome measures in corrupt vs. non-corrupt sectors

Outcomes - "Corrupt" Sectors Only <sup>1</sup>					
Variable	Obs	Mean	Std. Dev.	Min	Max
Female Presence in Leadership Position	$\mathbf{s}^2$				
Female leaders in corrupt sectors divided by t	otal leadersh	aip positie	ons in corrup	t sectors.	
Employer	553	0.188	0.242	0	1
Managers, Directors, or Executives	639	0.207	0.259	0	1
Leadership	719	0.197	0.240	0	1
Female Labor Force in "Corrupt" Sector	$\mathbf{r}$				
$Female\ workers\ in\ corrupt\ sectors\ divided\ by$	total number	r of work	ing women.		
Female Labor Force Participation	935	0.021	0.021	0.001	0.181
Female Labor Force Job Type					
Female leaders in corrupt sectors divided by t	$otal\ number$	$of\ femal$	e workers in	corrupt secte	ors
Employer	935	0.001	0.003	0	0.027
Managers, Directors, or Executives	935	0.001	0.004	0	0.045
Leadership	935	0.002	0.006	0	0.072
Outcomes - "Non-Corrupt" Sectors On	$\mathbf{l}\mathbf{y}^3$				
Variable	Obs	Mean	Std. Dev.	Min	Max
Female Presence in Leadership Position	$\mathbf{s}^2$				
Female leaders in non-corrupt sectors divided	by total lead	dership p	ositions in no	on-corrupt se	ectors.
Employer	863	0.277	0.196	0	1
Managers, Directors, or Executives	928	0.386	0.180	0	1
Leadership	932	0.352	0.151	0	1
${\bf Female\ Labor\ Force\ in\ "Non-Corrupt"}$					
Female workers in non-corrupt sectors divided	d by total nu	umber of	working age v	vomen.	
Female Labor Force Participation	935	0.309	0.021	0.149	0.329
Female Labor Force Job Type					
Female leaders in non-corrupt sectors divided	by total nur	mber of f	emale worker.	s in non-cor	rupt sectors.
Employer	935	0.001	0.002	0	0.024
Managers, Directors, or Executives	935	0.001	0.003	0	0.046
Leadership	935	0.002	0.005	0	0.070

Notes:  $^{1}$ "Corrupt" sectors are extractive industries, manufacturing, construction, and transportation and communication, following Bologna and Ross (2015).  $^{2}$ The observation numbers may be lower because some municipalities are small and have no leadership positions in these sectors, making the denominator zero. All municipalities have women and working women and thus there are no undefined observations when using the other measures.  $^{3}$  "Non-Corrupt" sectors are defined as all remaining sectors.

Table D2: The effect of corruption on the share of leadership positions held by women.

		Managers	
	Employers	Directors	${f Leadership}$
		& Executives	
Panel A: OLS Estimo	ates, "Corrupt" Se	ectors Only (Same a	as Table ??, Panel B)
Corruption per-capita	-0.477*	0.338	-0.021
	(0.251)	(0.225)	(0.201)
N	553	639	719
adj. $R^2$	0.070	0.040	0.058
Panel B: OLS Estime	ates, "Non-Corrup	ot" Sectors Only	
Corruption per-capita	-0.301**	-0.277***	-0.206**
	(0.143)	(0.095)	(0.092)
N	863	928	932
adj. $R^2$	0.050	0.048	0.065
Panel C: 2SLS Estim	nates, "Corrupt" S	Sectors Only (Same	as Table ??, Panel D)
Corruption per-capita	-0.173	0.903	0.204
	(0.997)	(0.559)	(0.568)
N	551	637	716
F-Statistic	12.028	24.814	25.575
J-Statistic	0.801	4.639	5.002
Panel D: 2SLS Estim	ates, "Non-Corru	pt" Sectors Only	
Corruption per-capita	-0.784	-0.649*	-0.591
	(0.681)	(0.342)	(0.376)
N	857	922	926
F-Statistic	23.065	27.422	27.349
J-Statistic	8.634	1.808	2.212

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. See Table 3 for a list of the baseline controls. Standard errors clustered by state in parentheses. Instruments for  $Panels\ C$  and D include two measures of political participation (whether councils exist and the number of councils that are active), an indicator for management capacity, and whether the municipality has a judge.

Table D3: The effect of corruption on the share of women that are in the labor force and the share of the female labor force that hold leadership positions.

	Labor Force	Employers	Managers Directors & Executives	Leadership
Panel A: OLS Estimates	s, "Corrupt" Sec	tors Only (Same	as Table ??, Panel	B)
Corruption per-capita	-0.055***	-0.007***	-0.010***	-0.017***
	(0.018)	(0.002)	(0.003)	(0.004)
N	935	935	935	935
adj. $R^2$	0.356	0.360	0.429	0.422
Panel B: OLS Estimates	s, "Non-Corrupt	" Sectors Only		
Corruption per-capita	-0.036	-0.004***	-0.009***	-0.014***
	(0.067)	(0.001)	(0.002)	(0.003)
N	935	935	935	935
adj. $R^2$	0.671	0.452	0.477	0.481
Panel C: 2SLS Estimate	es, "Corrupt" Se			l D)
Corruption per-capita	-0.034	-0.023***	-0.039***	-0.062***
	(0.063)	(0.004)	(0.007)	(0.010)
N	929	929	929	929
F-Statistic	25.775	25.775	25.775	25.775
J-Statistic	5.296	4.282	6.095	5.717
Panel D: 2SLS Estimate	es, "Non-Corrup	t" Sectors Only		
Corruption per-capita	-0.073	-0.016***	-0.037***	-0.053***
	(0.249)	(0.002)	(0.005)	(0.007)
N	929	929	929	929
F-Statistic	25.775	25.775	25.775	25.775
J-Statistic	5.274	3.612	3.954	3.826

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. See Table 3 for a list of the baseline controls. Standard errors clustered by state in parentheses. Instruments for **Panels C** and **D** include two measures of political participation (whether councils exist and the number of councils that are active), an indicator for management capacity, and whether the municipality has a judge.

#### E Instrumental Variable Analysis

Table E1: First Stage Estimates for Table 4, Panel C

First-Stage for:	Employers	$\begin{array}{c} {\rm Managers} \\ {\rm Directors} \\ \& \ {\rm Executives} \end{array}$	Leadership	
Dependent Variable:		Corruption per-capita		
Excluded instruments				
Number of Councils	-0.001	-0.000	-0.000	
	(0.004)	(0.004)	(0.004)	
Councils installed	-0.004	-0.005	-0.004	
	(0.003)	(0.003)	(0.003)	
Management Index	-0.008***	-0.008***	-0.008***	
	(0.002)	(0.002)	(0.002)	
Has Judge	-0.020***	-0.020***	-0.021***	
	(0.004)	(0.004)	(0.004)	
Included instruments				
Log(GDP per capita)	-0.004	-0.004	-0.004	
,	(0.004)	(0.003)	(0.003)	
Log(Pop. Density)	-0.013***	-0.013***	-0.013***	
	(0.002)	(0.003)	(0.003)	
% Informal	0.049**	0.043**	0.043**	
	(0.022)	(0.020)	(0.020)	
% College Degree	-0.249**	-0.223**	-0.220**	
	(0.095)	(0.094)	(0.094)	
% Working Age	-0.074	-0.117	-0.113	
	(0.093)	(0.095)	(0.094)	
% Male	$0.270^{'}$	$0.228^{'}$	$0.232^{'}$	
	(0.183)	(0.182)	(0.182)	
% Urban	0.035**	0.034**	0.034**	
	(0.014)	(0.013)	(0.013)	
$\overline{N}$	872	924	927	
F-Statistic	24.122	26.803	26.997	
J-Statistic	6.192	0.970	1.692	

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. Instruments for corruption include two measures of political participation – number of existent councils ( $Number\ of\ Councils$ ) and how many are active ( $Councils\ installed$ ) –, an indicator for management capacity ( $Management\ Index$ ), and whether the municipality has a judge ( $Has\ Judge$ ). See Table 3 for summary statistics for instrumental variables.

Table E2: First Stage Estimates for Table 4, Panel D

First-Stage for:	Employers	Managers Directors & Executives	Leadership
Dependent Variable:		Corruption per-capita	
Excluded instruments			
Number of Councils	-0.004	-0.004	-0.005
	(0.003)	(0.003)	(0.003)
Councils installed	-0.001	-0.002	-0.003
	(0.004)	(0.003)	(0.003)
Management Index	-0.006***	-0.007***	-0.007***
	(0.002)	(0.002)	(0.002)
Has Judge	-0.015***	-0.020***	-0.021***
	(0.004)	(0.004)	(0.004)
$Included\ instruments$			
Log(GDP per capita)	-0.002	-0.004	-0.004
	(0.005)	(0.004)	(0.004)
Log(Pop. Density)	-0.016***	-0.014***	-0.014***
	(0.003)	(0.003)	(0.003)
% Informal	0.076**	0.063***	0.062***
	(0.030)	(0.019)	(0.021)
% College Degree	-0.199	-0.220*	-0.199*
	(0.131)	(0.111)	(0.115)
% Working Age	0.015	-0.023	-0.009
	(0.101)	(0.101)	(0.081)
% Male	0.293	0.368*	0.374*
	(0.240)	(0.198)	(0.192)
% Urban	0.039**	0.046***	0.043***
	(0.019)	(0.015)	(0.016)
$\overline{N}$	551	637	716
F-Statistic	12.028	24.814	25.575
J-Statistic	0.801	4.639	5.002

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. Instruments for corruption include two measures of political participation – number of existent councils ( $Number\ of\ Councils$ ) and how many are active ( $Councils\ installed$ ) –, an indicator for management capacity ( $Management\ Index$ ), and whether the municipality has a judge ( $Has\ Judge$ ). See Table 3 for summary statistics for instrumental variables.

Table E3: First Stage Estimates for Table 5, Panel C

	Labor Force	Employers	Managers Directors & Executives	Leadership
Dependent Variable:  Excluded instruments	C	orruption per-ca	pita	
Number of Councils	-0.000	-0.000	-0.000	-0.000
C :1 : 11 1	(0.004)	(0.004)	(0.004)	(0.004)
Councils installed	-0.004	-0.004	-0.004	-0.004
N	(0.003)	(0.003)	(0.003)	(0.003)
Management Index	-0.008***	-0.008***	-0.008***	-0.008***
TT T 1	(0.002)	(0.002)	(0.002)	(0.002)
Has Judge	-0.021***	-0.021***	-0.021***	-0.021***
	(0.004)	(0.004)	(0.004)	(0.004)
$Included\ instruments$				
Log(GDP per capita)	-0.004	-0.004	-0.004	-0.004
	(0.003)	(0.003)	(0.003)	(0.003)
Log(Pop. Density)	-0.014***	-0.014***	-0.014***	-0.014***
	(0.003)	(0.003)	(0.003)	(0.003)
% Informal	0.043**	0.043**	0.043**	0.043**
	(0.021)	(0.021)	(0.021)	(0.021)
% College Degree	-0.212**	-0.212**	-0.212**	-0.212**
	(0.095)	(0.095)	(0.095)	(0.095)
% Working Age	-0.113	-0.113	-0.113	-0.113
	(0.094)	(0.094)	(0.094)	(0.094)
% Male	0.236	0.236	0.236	0.236
	(0.183)	(0.183)	(0.183)	(0.183)
% Urban	0.034**	0.034**	0.034**	0.034**
	(0.013)	(0.013)	(0.013)	(0.013)
$\overline{N}$	929	929	929	929
F-Statistic	25.775	25.775	25.775	25.775
J-Statistic	4.980	4.101	1.606	2.573

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. Instruments for corruption include two measures of political participation – number of existent councils (Number of Councils) and how many are active (Councils installed) –, an indicator for management capacity (Management Index), and whether the municipality has a judge (Has Judge). See Table 3 for summary statistics for instrumental variables.

Table E4: First Stage Estimates for Table 5, Panel D

	Labor Force	Employers	Managers Directors & Executives	Leadership
Dependent Variable:  Excluded instruments	Corruption per-capita			
Number of Councils	-0.000	-0.000	-0.000	-0.000
	(0.004)	(0.004)	(0.004)	(0.004)
Councils installed	-0.004	-0.004	-0.004	-0.004
	(0.003)	(0.003)	(0.003)	(0.003)
Management Index	-0.008***	-0.008***	-0.008***	-0.008***
	(0.002)	(0.002)	(0.002)	(0.002)
Has Judge	-0.021***	-0.021***	-0.021***	-0.021***
	(0.004)	(0.004)	(0.004)	(0.004)
Included instruments				
Log(GDP per capita)	-0.004	-0.004	-0.004	-0.004
	(0.003)	(0.003)	(0.003)	(0.003)
Log(Pop. Density)	-0.014***	-0.014***	-0.014***	-0.014***
	(0.003)	(0.003)	(0.003)	(0.003)
% Informal	0.043**	0.043**	0.043**	0.043**
	(0.021)	(0.021)	(0.021)	(0.021)
% College Degree	-0.212**	-0.212**	-0.212**	-0.212**
	(0.095)	(0.095)	(0.095)	(0.095)
% Working Age	-0.113	-0.113	-0.113	-0.113
	(0.094)	(0.094)	(0.094)	(0.094)
% Male	0.236	0.236	0.236	0.236
	(0.183)	(0.183)	(0.183)	(0.183)
% Urban	0.034**	0.034**	0.034**	0.034**
	(0.013)	(0.013)	(0.013)	(0.013)
$\overline{N}$	929	929	929	929
F-Statistic	25.775	10.611	10.611	10.611
J-Statistic	3.077	2.711	6.260	5.307

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. Instruments for corruption include two measures of political participation – number of existent councils (Number of Councils) and how many are active (Councils installed) –, an indicator for management capacity (Management Index), and whether the municipality has a judge (Has Judge). See Table 3 for summary statistics for instrumental variables.

Table E5: The effect of corruption on the share of women that are in the labor force and the share of the female labor force that hold leadership positions: just-identified IVs

	Employers	Managers Directors & Executives	Leadership	
Panel A: 2SLS Estimate	s, IV: Number of Co	ouncil Installed		
Corruption per-capita	-1.774* (1.061)	-0.612 (1.042)	-1.080 (0.787)	
N $F$ -Statistic	$872 \\ 14.004$	924 21.817	927 21.676	
Panel B: 2SLS Estimate	s, IV: Number of Co	ouncils		
Corruption per-capita	-2.485** (1.148)	-1.116 (0.756)	-1.322* (0.763)	
N $F$ -Statistic	872 8.852	924 9.870	927 9.863	
Panel C: 2SLS Estimate	s, IV: Management	Capacity Index		
Corruption per-capita	-0.872 (0.818)	-0.394 (0.363)	-0.419 (0.339)	
N $F$ -Statistic	872 24.081	924 $29.454$	927 29.420	
Panel D: 2SLS Estimate	s, IV: Has Judge			
Corruption per-capita	-0.425 (0.768)	-0.406 (0.527)	-0.479 (0.547)	
N $F$ -Statistic	872 42.238	924 40.001	927 40.736	

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. This table replicates the results of Table 4, Panel C, using each of the four instrumental variables separately. Instruments for corruption include two measures of political participation – number of existent councils ( $Number\ of\ Councils$ ) and how many are active ( $Councils\ installed$ ) –, an indicator for management capacity ( $Management\ Index$ ), and whether the municipality has a judge ( $Has\ Judge$ ). See Table 3 for a list of the baseline controls and summary statistics for instrumental variables.

Table E6: The effect of corruption on the share of women that are in the labor force and the share of the female labor force that hold leadership positions, "corrupt sectors": just-identified IVs

	Employers	Managers Directors & Executives	Leadership	
Panel A: 2SLS Estimate	es, IV: Council Insta	lled		
Corruption per-capita	-1.907 (2.396)	-2.795 -2.279 (1.835) (1.525)		
N $F$ -Statistic	551 5.184	637 9.050	716 11.750	
Panel B: 2SLS Estimate	es, IV: Number of Co	puncils		
Corruption per-capita	-0.715 (1.925)	-0.474 (1.382)	-0.996 (1.027)	
N $F$ -Statistic	551 $16.224$	637 16.909	716 21.095	
Panel C: 2SLS Estimate	es, IV: Management	Capacity Index		
Corruption per-capita	0.081 (1.367)	0.126 (0.706)	-0.408 (0.940)	
N $F$ -Statistic	872 20.078	924 $20.445$	927 20.369	
Panel D: 2SLS Estimate	es, IV: Has Judge			
Corruption per-capita	-0.153 (1.038)	2.031*** 1.129** (0.700) (0.540)		
N $F$ -Statistic	872 25.017	924 49.746	927 51.286	

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. This table replicates the results of Table 4, Panel D, using each of the four instrumental variables separately. Instruments for corruption include two measures of political participation – number of existent councils (Number of Councils) and how many are active (Councils installed) –, an indicator for management capacity (Management Index), and whether the municipality has a judge (Has Judge). See Table 3 for a list of the baseline controls and summary statistics for instrumental variables.

Table E7: The effect of corruption on the share of women that are in the labor force and the share of the female labor force that hold leadership positions: just-identified IVs

	Labor Force	Employers	Managers Directors & Executives	Leadership
Panel A: 2SLS Estima	ites, IV: Number o	of Councils Insta	lled	
Corruption per-capita	-0.647*	-0.131***	-0.187**	-0.318**
	(0.369)	(0.047)	(0.090)	(0.130)
N	929	929	929	929 $20.898$
F-Statistic	20.898	20.898	20.898	
Panel B: 2SLS Estima	ites, IV: Number o	of Councils		
Corruption per-capita	-1.260*	-0.132**	-0.186**	-0.317**
	(0.652)	(0.055)	(0.093)	(0.139)
N	929	929	929	$929 \\ 9.467$
F-Statistic	9.467	9.467	9.467	
Panel C: 2SLS Estima	ates, IV: Managem	nent Capacity Inc	dex	
Corruption per-capita	0.172	-0.039	-0.080**	-0.120**
	(0.345)	(0.030)	(0.039)	(0.059)
N	929	929	929	929
F-Statistic	29.669	29.669	29.669	29.669
Panel D: 2SLS Estima	ntes, IV: Has Judg	e		
Corruption per-capita	-0.244	-0.056*	-0.076*	-0.132**
	(0.193)	(0.032)	(0.045)	(0.067)
N	929	929	929	929
F-Statistic	40.110	40.110	40.110	40.110

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. This table replicates the results of Table 5, Panel C, using each of the four instrumental variables separately. Instruments for corruption include two measures of political participation – number of existent councils ( $Number\ of\ Councils$ ) and how many are active ( $Councils\ installed$ ) –, an indicator for management capacity ( $Management\ Index$ ), and whether the municipality has a judge ( $Has\ Judge$ ). See Table 3 for a list of the baseline controls and summary statistics for instrumental variables.

Table E8: The effect of corruption on the share of women that are in the labor force and the share of the female labor force that hold leadership positions, "corrupt-sectors": just-identified IVs

	Labor Force	Employers	Managers Directors & Executives	Leadership
Panel A: 2SLS Estima	ntes, IV: Council I	nstalled		
Corruption per-capita	-0.230	-0.029**	-0.033*	-0.062**
	(0.173)	(0.011)	(0.020)	(0.028)
N	929	929	929	929
F-Statistic	20.898	20.898	20.898	20.898
Panel B: 2SLS Estima	ntes, IV: Number o	of Councils		
Corruption per-capita	-0.521*	-0.054**	-0.082***	-0.135***
	(0.285)	(0.023)	(0.026)	(0.049)
N	929	929	929	$929 \\ 9.467$
F-Statistic	9.467	9.467	9.467	
Panel C: 2SLS Estime	ates, IV: Managem	nent Capacity Inc	dex	
Corruption per-capita	0.027	-0.029***	-0.059***	-0.088***
	(0.108)	(0.006)	(0.013)	(0.019)
N	929	929	929	929
F-Statistic	29.669	29.669	29.669	29.669
Panel D: 2SLS Estime	ates, IV: Has Judg	$\overline{e}$		
Corruption per-capita	-0.046	-0.017***	-0.021***	-0.038***
	(0.052)	(0.004)	(0.006)	(0.009)
N	929	929	929	929
F-Statistic	40.110	40.110	40.110	40.110

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. This table replicates the results of Table 5, Panel D, using each of the four instrumental variables separately. Instruments for corruption include two measures of political participation – number of existent councils ( $Number\ of\ Councils$ ) and how many are active ( $Councils\ installed$ ) –, an indicator for management capacity ( $Management\ Index$ ), and whether the municipality has a judge ( $Has\ Judge$ ). See Table 3 for a list of the baseline controls and summary statistics for instrumental variables.

#### F Full Set of Results for Main Estimates

Table F1: The effect of corruption on the share of leadership positions held by women.

	Employers	Managers Directors	Leadership		
Panel A: OLS Estimates, Full Sample					
Corruption per-capita	-0.303** (0.140)	-0.198** (0.083)	-0.172** (0.076)		
$\log_{\mathrm{gdppc}}$	-0.017 $(0.017)$	-0.007 $(0.010)$	-0.015 (0.009)		
log_density	$0.001 \\ (0.007)$	0.003 $(0.008)$	0.002 $(0.007)$		
size_informal	-0.055 $(0.093)$	$0.072 \\ (0.067)$	-0.011 (0.064)		
college	0.379 $(0.336)$	0.688** (0.321)	0.552** (0.259)		
workage	-0.181 (0.382)	-0.363 $(0.226)$	-0.286 (0.208)		
male	-0.722 $(0.573)$	-0.227 $(0.535)$	-0.443 $(0.486)$		
urban	0.031 $(0.069)$	0.048 $(0.037)$	0.043 $(0.035)$		
$\overline{N}$ adj. $R^2$	878 0.023	930 0.048	933 0.058		

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. This table replicates Table 5, Panel A, including coefficients for controls variables.

Table F2: The effect of corruption on the share of women that are in the labor force and the share of the female labor force that hold leadership positions.

	Labor Force	Employers	Managers Directors & Executives	Leadership
Panel A: OLS Estimates	, Full Sample			
Corruption per-capita	-0.091	-0.018***	-0.017*	-0.035***
	(0.074)	(0.005)	(0.009)	(0.012)
log_gdppc	0.033***	-0.000	0.002*	0.001
	(0.007)	(0.001)	(0.001)	(0.001)
log_density	0.002	-0.000	0.000	0.000
	(0.004)	(0.000)	(0.001)	(0.001)
size_informal	0.061	0.002	-0.002	-0.000
	(0.061)	(0.004)	(0.005)	(0.006)
college	0.907***	0.062***	0.099***	0.161***
	(0.115)	(0.011)	(0.023)	(0.029)
workage	0.632***	0.020	-0.006	0.014
	(0.162)	(0.016)	(0.017)	(0.026)
male	0.272	-0.030	0.045	0.015
	(0.319)	(0.030)	(0.037)	(0.055)
urban	0.049	0.005**	0.016***	0.021***
	(0.054)	(0.003)	(0.003)	(0.005)
$\overline{N}$	935	935	935	935
adj. $R^2$	0.697	0.234	0.194	0.274

Notes: \*\*\* p-value < 0.01, \*\* p-value < 0.05, \* p-value < 0.1. Standard errors clustered by state in parentheses. This table replicates Table 5, Panel A, including coefficients for controls variables.

#### References

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