THE MOSQUE NEARBY

VISIBLE MINORITIES AND FAR-RIGHT SUPPORT IN FRANCE

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Online Appendix

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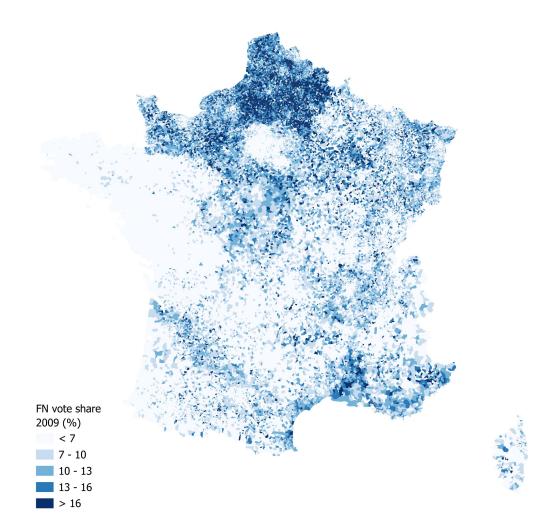


Figure A.1. Front National Vote Share, European Elections 2009 (%)

Notes. This figure displays the vote share of the Front National in the 2009 European elections at the level of the 50,397 polling stations for which this information is available in the CARTELEC database (Jadot et al., 2010; Beauguitte and Colange, 2013). Discontinuities on the map correspond to limits of electoral constituencies with different sets of candidates.

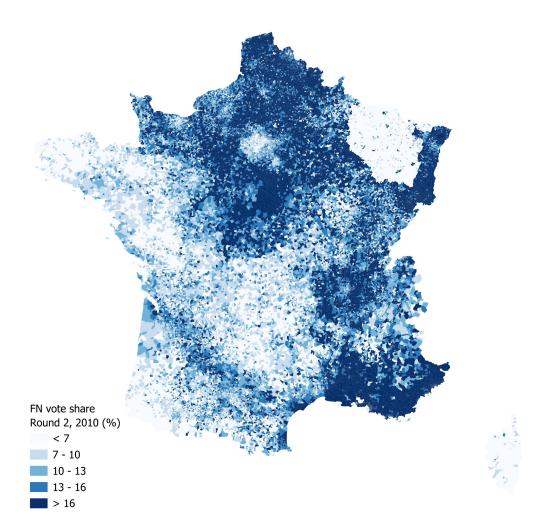


Figure A.2. Front National Vote Share, Regional Elections 2010 (%)

Notes. This figure displays the vote share of the Front National in the first round of the 2010 regional elections at the level of the 50,477 polling stations for which this information is available in the CARTELEC database (Jadot et al., 2010; Beauguitte and Colange, 2013). Discontinuities on the map correspond to limits of electoral constituencies with different sets of candidates.

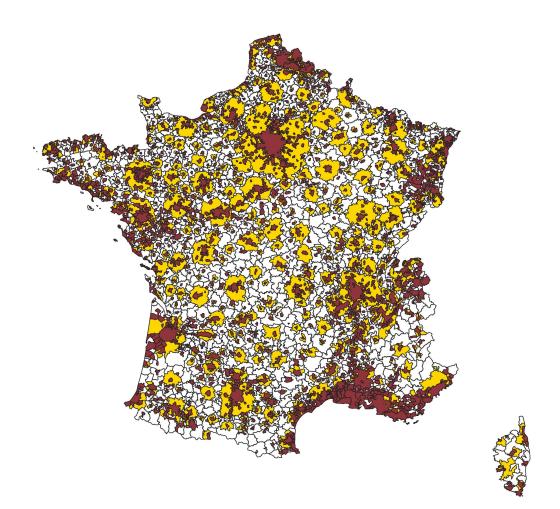
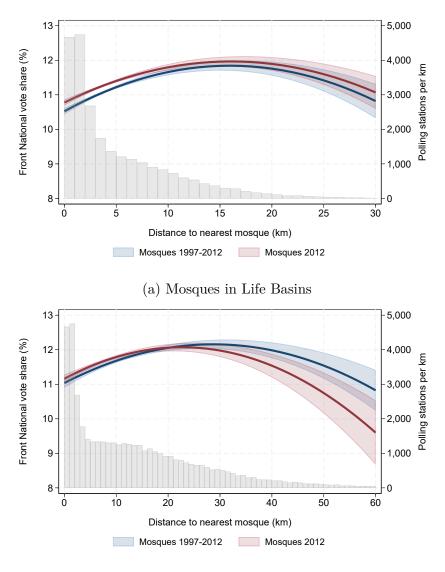
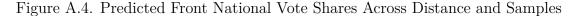


Figure A.3. Statistical Zoning into Life Basins, Urban Areas, and Urban Units

Notes. This figure displays the distribution of life basins (back lines), urban areas (yellow zones), and urban units (brown zones). Rural areas implicitly correspond to white zones. See Section III.C. for a description of data sources.



(b) All Mosques



Notes. This figure displays the predicted Front National vote shares with estimates from Table ?? across distances to the nearest mosque. Panel (a) uses estimates from Columns (1) and (3), and Panel (b), estimates from Columns (2) and (4). Polling station densities correspond to those relative to the 1997–2012 matched file. These predictions are generated using Winter's (2021 [2014]) combomarginsplot Stata package.

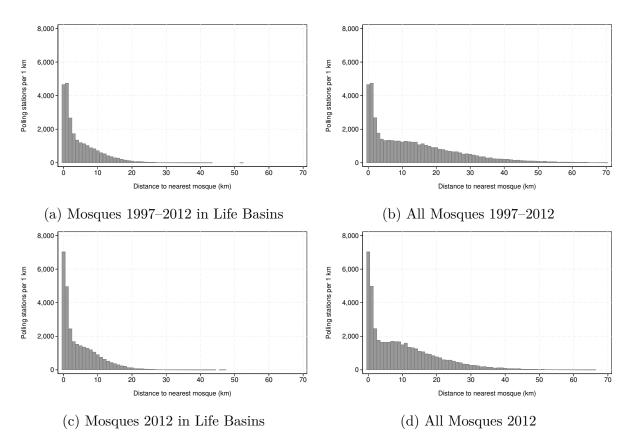


Figure A.5. Polling Station Density by Distance to Nearest Mosque

Notes. This figure displays density of polling stations across various samples by bins of distance to their nearest mosque. Panels (a) and (c) focus on the samples of polling stations located in life basins where at least one mosque is present, while Panels (b) and (d) focus on the sample of all polling stations.

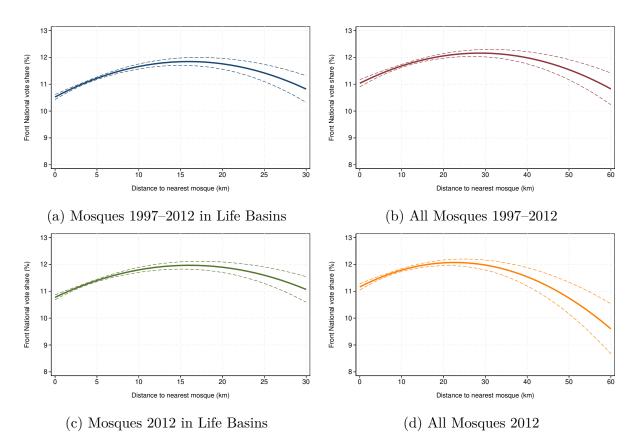


Figure A.6. Predicted Front National Vote Shares Across Distance and Samples

Notes. This figure displays the mean prediction of Front National vote shares using estimates from Table A.2 across distances to the nearest mosque along with 95 percent confidence intervals. These predictions are generated using Winter's (2021 [2014]) combomarginsplot Stata package.

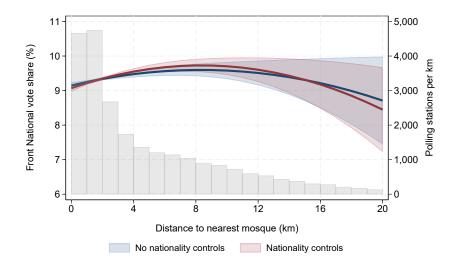


Figure A.7. Predicted Front National Vote Shares Across Distance Nationality Controls

Notes. This figure displays the mean prediction of Front National vote shares using estimates from Table A.4 across distances to the nearest mosque along with 95 percent confidence intervals. The blue curve uses estimates from Column (2) and the red curve uses estimates from Column (4). These predictions are generated using Winter's (2021 [2014]) combomarginsplot Stata package.

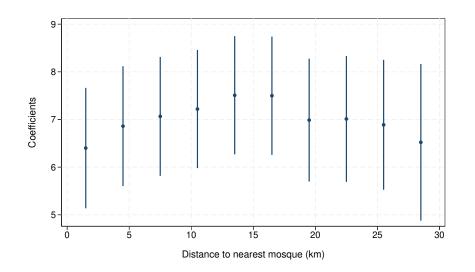


Figure A.8. Distance-Specific Coefficients of the Relationship between Front National Vote Shares and Distance to Nearest Mosque

Notes. This figure displays the bin-specific coefficients from estimating Equation 3 along with 95 percent confidence intervals. Estimates are calculated using Correia's (2023 [2014]) reghtfe Stata package.

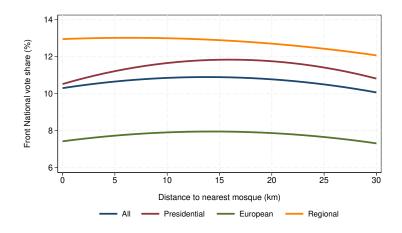


Figure A.9. Predicted Front National Vote Shares Across Distance and Elections

Notes. This figure displays the mean prediction of Front National vote shares using estimates from Table 5 across distances to the nearest mosque. These predictions are generated using Winter's (2021 [2014]) combomarginsplot Stata package.

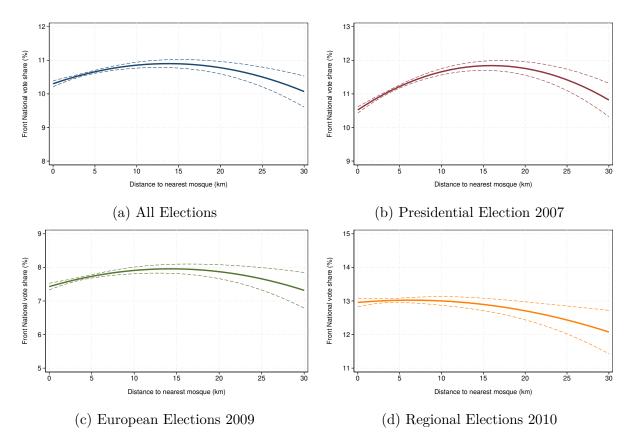


Figure A.10. Predicted Front National Vote Shares Across Distance and Elections

Notes. This figure displays the mean prediction of Front National vote shares using estimates from Table 5 across distances to the nearest mosque along with 95 percent confidence intervals. These predictions are generated using Winter's (2021 [2014]) combomarginsplot Stata package.

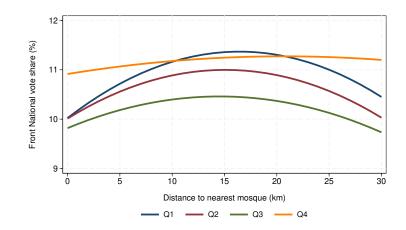


Figure A.11. Predicted Front National Vote Shares Across Distance and Quartiles of Abstention Rates

Notes. This figure displays the mean prediction of Front National vote shares using estimates from Table A.5 across distances to the nearest mosque. These predictions are generated using Winter's (2021 [2014]) combomarginsplot Stata package.

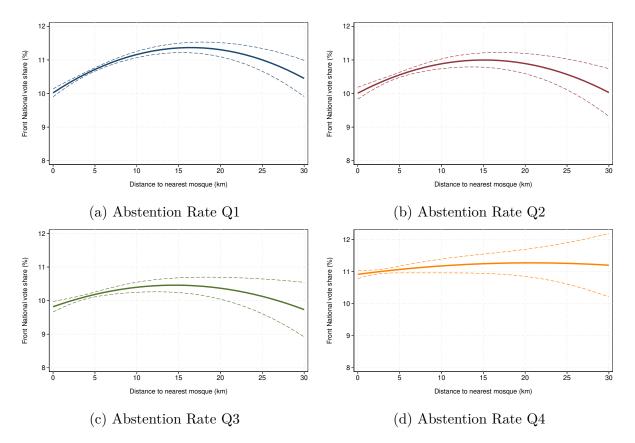


Figure A.12. Predicted Front National Vote Shares Across Distance and Quartiles of Abstention Rates

Notes. This figure displays the mean prediction of Front National vote shares using estimates from Table A.5 across distances to the nearest mosque along with 95 percent confidence intervals. These predictions are generated using Winter's (2021 [2014]) combomarginsplot Stata package.

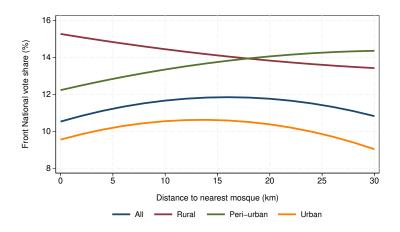


Figure A.13. Predicted Front National Vote Shares Across Distance and Zoning

Notes. This figure displays the mean prediction of Front National vote shares using estimates from Table 6 across distances to the nearest mosque. These predictions are generated using Winter's (2021 [2014]) combomarginsplot Stata package.

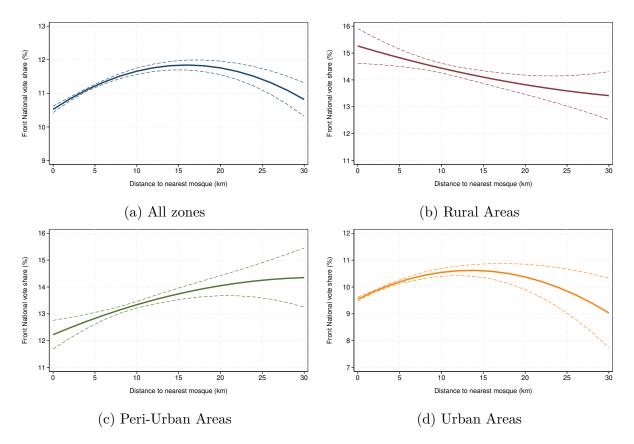


Figure A.14. Predicted Front National Vote Shares Across Distance and Zoning

Notes. This figure displays the mean prediction of Front National vote shares using estimates from Table 6 across distances to the nearest mosque along with 95 percent confidence intervals. These predictions are generated using Winter's (2021 [2014]) combomarginsplot Stata package.

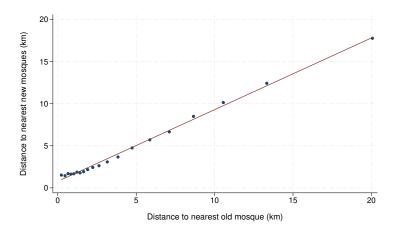


Figure A.15. Distance to Old versus New Mosques

Notes. This figure plots the distance to the nearest old mosque versus the distance to the nearest new mosque by bins of distance using Pinna's (2021) Stata binscatterhist package (Pinna, 2022). The coefficient of the linear fit is 0.85.

Dependent variable:	Front National vote share $(\%)$						
	A. Clustering			B. Spatial correlation			
	Polling station	Nearest mosque	Life basin	30 km	4 years	30 km & 4 years	
	(1)	(2)	(3)	(4)	(5)	(6)	
Distance to nearest mosque (km) $(\hat{\beta}_1 = 0.166)$	0.013	0.019	0.021	0.019	0.013	0.019	
Distance to nearest mosque (km) $(\hat{\beta}_2 = -0.005)$	0.001	0.001	0.001	0.001	0.001	0.001	
Controls	Yes	Yes	Yes	Yes	Yes	Yes	
<u>Fixed effects</u> Life basins Nearest mosque	$337 \\ 1,037$	$337 \\ 1,037$	$337 \\ 1,037$	$337 \\ 1,037$	$337 \\ 1,037$	$337 \\ 1,037$	
Clusters Polling stations	$24,698 \\ 24,698$	$1,037 \\ 24,698$	$337 \\ 24,698$	24,698	24,698	24,698	

Table A.1. Vote Share for the Front National and Distance to Nearest Mosque Robustness of Standard Errors

Notes. This table reports standard errors associated with OLS coefficients from estimating Specification 2. The dependent variable is the vote share of the Front national in percent. The unit of observation is the polling station. The distance measure is with respect to the nearest mosque located in the same life basin as the polling station. Controls include the polling station's share of foreign population, log population, area, average age, unemployment rate, the share of population with no diploma, and the share of population living in HLM. *Clustering* corresponds to standard errors being clustered at the levels of polling stations (Column 1), nearest mosque (Column 2), or life basin (Column 3). *Spatial correlation* corresponds to standard errors being corrected for spatial correlation up to 30 kilometers (Column 4), 4 lags (Column 5), or both (Column 6). These standard errors are calculated using weights in the variance covariance matrix that are linearly decreasing in distance and time. Estimates are calculated using Correia's (2023 [2014]) reghtfe Stata package. Standard error calculations in Panel B are made using Colella et al.'s (2021) acreg Stata package (Colella et al., 2023).

Dependent variable:	Front National vote share (%)				
Mosques file:	1997-	-2012	2012		
Restriction:	Life basin	Life basin None		None	
	(1)	(2)	(3)	(4)	
Distance to nearest mosque (km)	0.166***	0.078***	0.148***	0.080***	
Distance to nearest mosque, squared (km)	[0.013] -0.005^{***}	[0.008] -0.001^{***}	[0.013] -0.005^{***}	[0.009] -0.002^{***}	
Share for eign population $(\%)$	[0.001] -0.230^{***} [0.008]	$[0.000] \\ -0.171^{***} \\ [0.007]$	$[0.001] \\ -0.197^{***} \\ [0.008]$	$[0.000] \\ -0.153^{***} \\ [0.007]$	
Controls	Yes	Yes	Yes	Yes	
Fixed effects					
Life basins	333	1,613	524	$1,\!612$	
Nearest mosque	1,010	1,019	1,905	1,928	
Polling stations	24,671	46,254	29,045	46,161	
Within \mathbb{R}^2	0.130	0.077	0.106	0.072	
Front National vote share mean $(\%)$	11.63	11.63	11.63	11.63	
Halo apex (km)	15.95	28.72	16.06	22.66	

Table A.2. Vote Share for the Front National and Distance to Nearest Mosque Robustness Across Samples

Notes. This table reports OLS coefficients from estimating Specification 2 across samples. The dependent variable is the vote share of the Front national in percent. The unit of observation is the polling station. The distance measure is with respect to the nearest mosque located in the same life basin as the polling station. Controls include the polling station's share of foreign population, log population, area, average age, unemployment rate, the share of population with no diploma, and the share of population living in HLM. Standard errors are in brackets and are clustered at the level of polling stations. Estimates are calculated using Correia's (2023 [2014]) reghtfe Stata package. *** Significant at the 1 percent level.

Baseline sample						
	Mean	S.d.	Min.	Max.	Stations	
Share foreign (CARTELEC 2007)	5.69	6.03	0.00	54.53	24,698	
Restricted sample						
	Mean	S.d.	Min.	Max.	Stations	
Among total population						
Share foreign (CARTELEC 2007)	8.19	6.57	0.00	54.53	13,933	
Share foreign (TRIRIS 1999)	7.71	5.73	0.21	48.99	$13,\!933$	
Share naturalized	5.90	3.29	0.45	25.35	$13,\!933$	
Among foreign population						
Share Algerian	15.94	10.34	0.00	68.31	13,933	
Share Moroccan	14.01	11.85	0.00	76.24	13,933	
Share Tunisian	5.06	6.00	0.00	57.16	13,933	
Share Turkish	4.55	7.24	0.00	79.32	13,933	
Share EU	37.00	16.80	1.89	92.75	13,933	
Share other nationalities	23.44	12.66	0.00	87.64	$13,\!933$	

Table A.3. Summary Statistics of Population by Nationality

Notes. This table reports summary statistics for the share of the foreign population at the polling station level in percent. *Baseline sample* corresponds to the full sample of polling station used in baseline analyses. *Restricted sample* corresponds to the sample of polling stations for which overlapping TRIRIS data from the 1999 census are available, with an overlap threshold of 80 percent. All data refer to those from the 1999 census except when otherwise indicated.

Dependent variable:	Front National vote share (%)				
	(1)	(2)	(3)	(4)	
Distance to nearest mosque (km)	0.166^{***} [0.013]	0.108^{***} [0.031]	0.122^{***} [0.036]	0.158^{***} [0.032]	
Distance to nearest mosque, squared (km)	-0.005^{***} [0.001]	-0.007^{**} [0.003]	-0.007^{**} [0.003]	-0.009^{***} [0.003]	
Share for eign population (%, CARTELEC 2007)	-0.230^{***} [0.008]	-0.191^{***} [0.010]	[]	[]	
Share for eign population (%, TRIRIS 1999)	. ,		-0.107^{***} [0.009]		
Share naturalized population (%, TRIRIS 1999)				-0.205^{***} [0.019]	
Share Algerian population (%, TRIRIS 1999)				0.014*** [0.004]	
Share Moroccan population (%, TRIRIS 1999)				0.025^{***} [0.004]	
Share Tunisian population ($\%$, TRIRIS 1999)				0.017^{**} [0.008]	
Share Turkish population (%, TRIRIS 1999)				0.018^{***} [0.005]	
Share other foreign population (%, TRIRIS 1999)				-0.031^{***} [0.003]	
Share EU population (%, TRIRIS 1999, excluded)					
Controls	Yes	Yes	Yes	Yes	
Fixed effects					
Life basins Nearest mosque	$333 \\ 1,010$	$154 \\ 719$	$154 \\ 719$	$154 \\ 719$	
ivearest mosque	1,010	113	113	113	
Polling stations	$24,\!671$	13,735	13,735	13,735	
Within \mathbb{R}^2	0.130	0.143	0.114	0.133	
Front National vote share mean (%) Halo apex (km)	$11.10 \\ 15.95$	$9.37 \\ 8.32$	$9.37 \\ 8.48$	$9.37 \\ 8.35$	

Table A.4. Vote Share for the Front National and Distance to Nearest Mosque Nationality Controls

Notes. This table reports OLS coefficients from estimating Specification 2. The dependent variable is the vote share of the Front national in percent. The unit of observation is the polling station. The distance measure is with respect to the nearest mosque located in the same life basin as the polling station. Controls include the polling station's log population, area, average age, unemployment rate, the share of population with no diploma, and the share of population living in HLM. *TRIRIS 1999* indicates that the foreign population controls are from the 1999 census. Standard errors are in brackets and are clustered at the level of polling stations. Estimates are calculated using Correia's (2023 [2014]) reghtfe Stata package.

*** Significant at the 1 percent level. ** Significant at the 5 percent level.

Dependent variable:	Front National vote share (%)				
Quartile of abstention:	Q1	Q2	Q3	Q4	
	(1)	(2)	(3)	(4)	
Distance to nearest mosque (km)	0.164***	0.131***	0.088***	0.035	
Distance to nearest mosque, squared (km)	[0.015] -0.005^{***} [0.001]	$[0.022] \\ -0.004^{***} \\ [0.001]$	[0.022] -0.003^{***} [0.001]	[0.025] -0.001 [0.001]	
Share for eign population $(\%)$	[0.001] -0.209^{***} [0.010]	[0.001] -0.210^{***} [0.013]	[0.001] -0.136^{***} [0.014]	[0.001] -0.142^{***} [0.012]	
Controls	Yes	Yes	Yes	Yes	
Fixed effects					
Elections	3	3	3	3	
Life basins	330	321	329	313	
Nearest mosque	932	927	901	968	
Polling stations	$18,\!459$	14,518	14,114	12,291	
Within \mathbb{R}^2	0.129	0.049	0.049	0.044	
Front National vote share mean $(\%)$	10.69	10.50	10.14	11.01	
Abstention rate mean $(\%)$	12.68	37.18	54.24	64.46	
Halo apex (km)	16.43	15.07	14.53	20.67	

Table A.5. Vote Share for the Front National and Distance to Nearest Mosque by Abstention Rate

Notes. This table reports OLS coefficients from estimating Specification 2, separately across all four quartiles in abstention rates. The dependent variable is the vote share of the Front national in percent. The unit of observation is the polling station. The distance measure is with respect to the nearest mosque located in the same life basin as the polling station. Controls include the polling station's share of foreign population, log population, area, average age, unemployment rate, the share of population with no diploma, and the share of population living in HLM. Standard errors are in brackets and are clustered at the level of polling stations. Estimates are calculated using Correia's (2023 [2014]) reghdfe Stata package. *** Significant at the 1 percent level.

Dependent variable:	Front National vote share $(\%)$			
	(1)	(2)	(3)	(4)
Distance to nearest pre-1997 mosque (km)	0.193***		0.187***	0.190***
	[0.014]		[0.018]	[0.024]
Distance to nearest pre-1997 mosque, squared (km)	-0.008^{***} [0.001]		-0.009^{***} [0.001]	-0.008^{***} [0.001]
Distance to nearest post-1997 mosque (km)	[0.00-]	0.156^{***}	0.008	-0.017
		[0.015]	[0.018]	[0.024]
Distance to nearest post-1997 mosque, squared (km)		-0.005^{***} [0.001]	0.002^{**} [0.001]	0.003^{***} [0.001]
		[0.001]	[0.001]	[0.001]
Controls	Yes	Yes	Yes	Yes
Nearest pre-1997 mosque's station controls	Yes	No	Yes	No
Nearest post-1997 mosque's station controls	No	Yes	Yes	No
Fixed effects				
Life basins	184	184	184	184
Nearest mosque pre-1997 \times post-1997	0	0	0	1,591
Polling stations	$19,\!534$	$19,\!534$	$19,\!534$	19,194
Within \mathbb{R}^2	0.267	0.255	0.271	0.131
Front National vote share mean $(\%)$	10.65	10.65	10.65	10.65

Table A.6. Vote Share for the Front National and Distance to Nearest Mosque Old versus New Mosques

Notes. This table reports OLS coefficients from estimating Specification 1 in Columns (1)-(3), and Specification 1. tion 2 in Column (4), augmented with distances to the nearest mosque built after 1997. The dependent variable is the vote share of the Front national in percent. The unit of observation is the polling station. The distance measure is with respect to the nearest mosque located in the same life basin as the polling station. Controls include the polling station's share of foreign population, log population, area, average age, unemployment rate, the share of population with no diploma, and the share of population living in HLM. Standard errors are in brackets and are clustered at the level of polling stations. Estimates are calculated using Correia's (2023 [2014]) reghdfe Stata package. *** Significant at the 1 percent level. ** Significant at the 5 percent level.

Polling Booth Locations To determine the exact location of polling booths associated with each polling station, we use the following six-step procedure. First, we overlay the 2007 polling station shapefile with the geocoded addresses of the 2017 polling booths (the earliest dataset available), relying on the fact that the location of polling booths is relatively stable over time.¹ If the 2007 polling station polygon contains a unique 2017 polling booth address, we attribute it to the 2007 polling station—this enables us to geocode 29,261 polling booths. Second, we repeat the operation on the missing polling stations with the geocoded 2020 polling booth addresses—this gives us an additional 7,852 polling booths.² Third, we overlay the shapefile of the remaining ungeocoded 2007 polling stations with the locations of the 2011 town halls, since they always contain polling booths—2011 is the earliest year for which a town hall shapefile is publicly available.³ If the 2007 polling station polygon contains a city hall, we attribute it to the 2007 polling station—this gives us 5,258 additional polling booths. Fourth, we consider the remaining 2007 polling stations that contain multiple 2017 polling booths, and take their centroid as long as it falls within the polling station polygon—this gives us another 1,177 polling booths. For the remaining 6,758 polling stations, we assign their centroid. For the 270 polling stations whose centroid falls outside their (non-convex) polygon, we assign a random point.

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¹This dataset is available at https://public.opendatasoft.com/explore/dataset/ bureaux-vote-france-2017/information (accessed in July 2024). Because the addresses provided by the Ministry of the Interior are sometimes inaccurate, only 57,663 of the 63,548 polling booths are properly geocoded in this file.

²This dataset is available at https://www.data.gouv.fr/fr/datasets/ geolocalisation-des-bureaux-de-vote (accessed in July 2024). Again, because the addresses provided by the Ministry of the Interior are sometimes inaccurate, only 59,131 of the 67,797 polling booths are properly geocoded in this file.

³This dataset is available at https://geoservices.ign.fr/geofla (accessed in July 2024).

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