What's going on with my data?

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Identification

$$y_{ikt} = \alpha + \beta \left(\textit{Exposure}_k \times \textit{Post} \right) + \textbf{X}'_{ik} \Gamma + \textbf{K}'_k \Pi + \delta_k + \lambda_t + \varepsilon_{ikt}$$

- y_{ikt} denotes the outcomes of interest for individual i resident in county (*kreise*) k in 2006 at time t
- Exposure_k is the pre-shock county-level Commerzbank exposure
- Post equals to one for each period after the end of the credit shock (2009 onward)
- $ightharpoonup X_{ik}$ and K_k are respectively vectors of pre-shock individualand household- and county-level characteristics (measured in 2006)
- \triangleright δ_k and λ_t are respectively county and time fixed effects



Might need an instrument

- ► Within-country shocks that move simultaneously with the credit shock? (broad timing)
- ► Aggressive Commerzbank expansion at the Reunification: selective expansion in areas more politically extreme?
- ► Solve exclusion restriction for potential mechanism?
- ► Causal mediation analysis (Dippel et al. 2021)

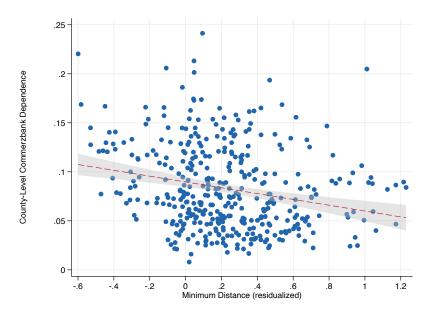
Geodesic Distance from Post-WWII Commerzbank HQs

- During Third Reich: Commerzbank's Headquarters in Berlin and Dresden (Dresdner Bank)
- After WWII (1948-1957): Allies force three largest German banks to breakup into separate entities in mandated banking zones (different areas of control of Occupied Germany)
- Commerzbank new HQs: Frankfurt, Düsseldorf, Hamburg
- Decision driven by power struggles between the Allies
- ▶ Instrument: Minimum (Geodesic) Distance from county k's centroid and the three HQs (×Post)
- Controlling for single distances + distance from Berlin and Dresden

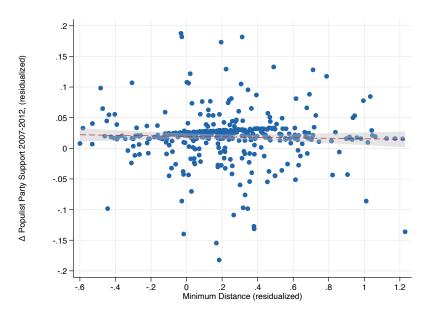
Summaries

	Mean	SD	Median	Min	Max	N
Intention to Vote for Populist Party	0.035	0.184	0.000	0.000	1.000	250,809
Minimum Distance from Post-WWII HQs (100km)	1.645	0.959	1.542	0.028	4.145	395
Distance from Duesseldorf (100km)	2.981	1.418	3.043	0.028	5.919	395
Distance from Frankfurt (100km)	2.338	1.178	2.156	0.029	5.436	395
Distance from Hamburg (100km)	3.681	1.652	3.711	0.048	6.826	395
Distance from Berlin (100km)	3.771	1.433	4.030	0.026	6.705	395
Distance from Dresden (100km)	3.463	1.236	3.710	0.036	5.708	395
County-Level Commerzbank Exposure	0.083	0.043	0.075	0.008	0.241	395

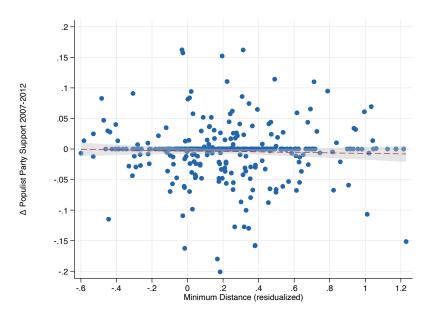
First-Stage



Reduced Form (Residuals)



Reduced Form



Estimates

(1)	(2)	(3)	
-0.010*	-0.007	-0.007	
(0.006)	(0.005)	(0.005)	
0.889***	0.883***	0.881***	
(0.165)	(0.162)	(0.161)	
229,699	206,604	206,604	
0.012	0.014	0.014	
28.88	29.79	30.00	
396	396	396	
Yes	Yes	Yes	
Yes	Yes	Yes	
Yes	Yes	Yes	
No	Yes	Yes	
No	$\square No_{\square} \square \square Yes_{\square}$		
	-0.010* (0.006) 0.889*** (0.165) 229,699 0.012 28.88 396 Yes Yes Yes	-0.010* -0.007 (0.006) (0.005) 0.889*** 0.883*** (0.165) (0.162) 229,699 206,604 0.012 0.014 28.88 29.79 396 396 Yes Yes Yes Yes Yes Yes No Yes	