

How has Democratic vote share in US Presidential Elections changed across counties from 2000 to 2016, and do these trends point to widening urban–rural polarization?

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Results

Conclusion: Based on the dramatic difference in slopes and our near zero P-values, our evidence suggests that the 2016 election signaled an increase in urban-rural polarization.

$$\text{Democratic Share} = 0.0955 + 0.0325 (\log \text{total votes}) - 0.2697 (\text{year}) + 0.0195 (\log \text{total votes} * \text{year})$$

Notice the huge difference in Democratic Vote Share for smaller counties

We define “urban-rural polarization” as the relationship between Democratic vote share and total votes per county, and how this relationship has changed over time.

