

Luzerne County Voting Patterns 2000-2016

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Introduction

The 2016 Presidential election showed a dramatic change in national and local voting patterns. While voting data is easy to find online or in the news, it is usually in the form of a complicated table or a broad state-wide map. Data given by individual precinct is difficult to find, and is usually not shown in a detailed map. ESRI's ArcGIS software can be used to organize and compare this data.

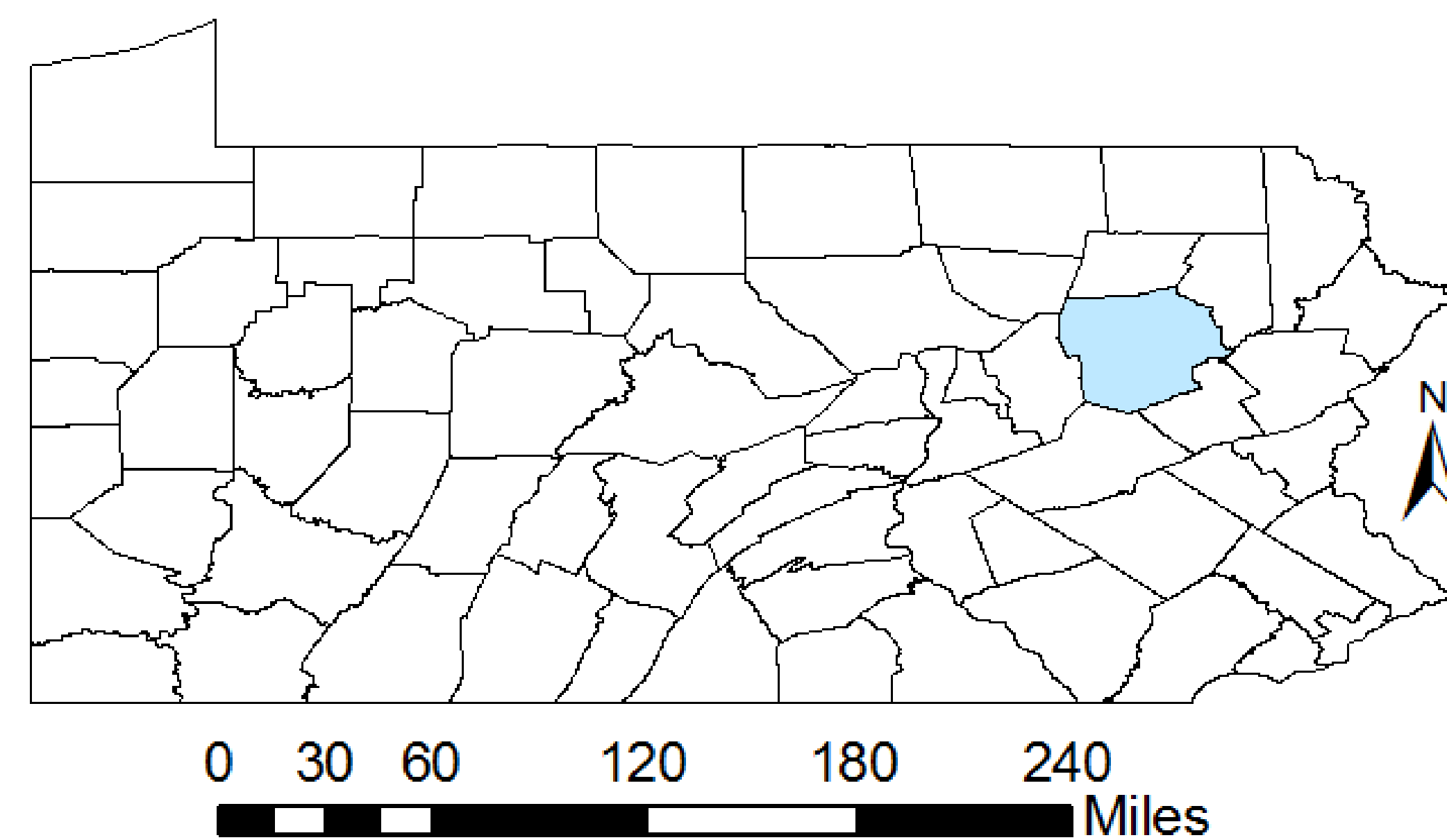
Objectives

- Collect Presidential voting data from 2000 to 2016.
- Organize and visualize data into maps that are easy to understand.

Process

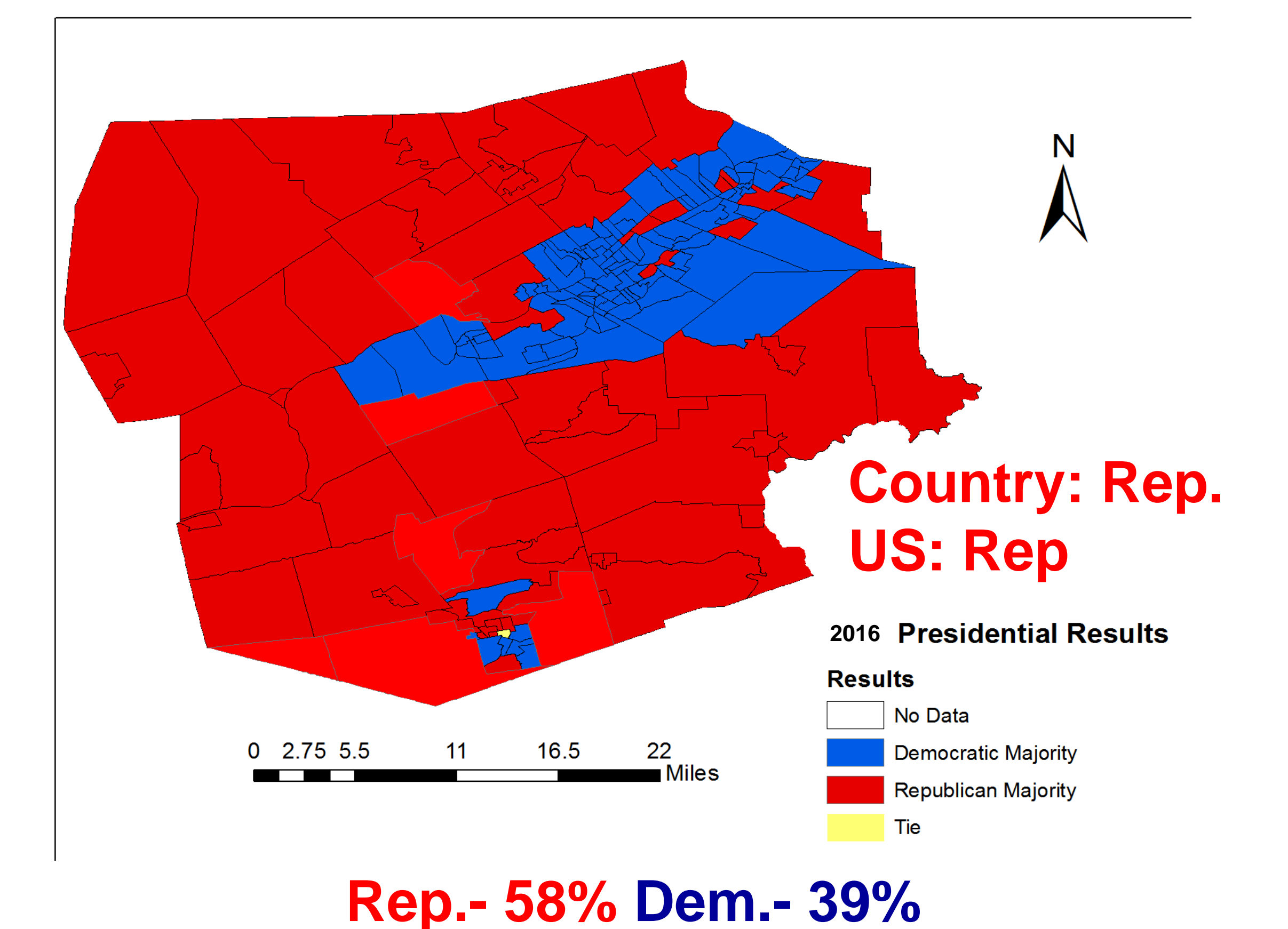
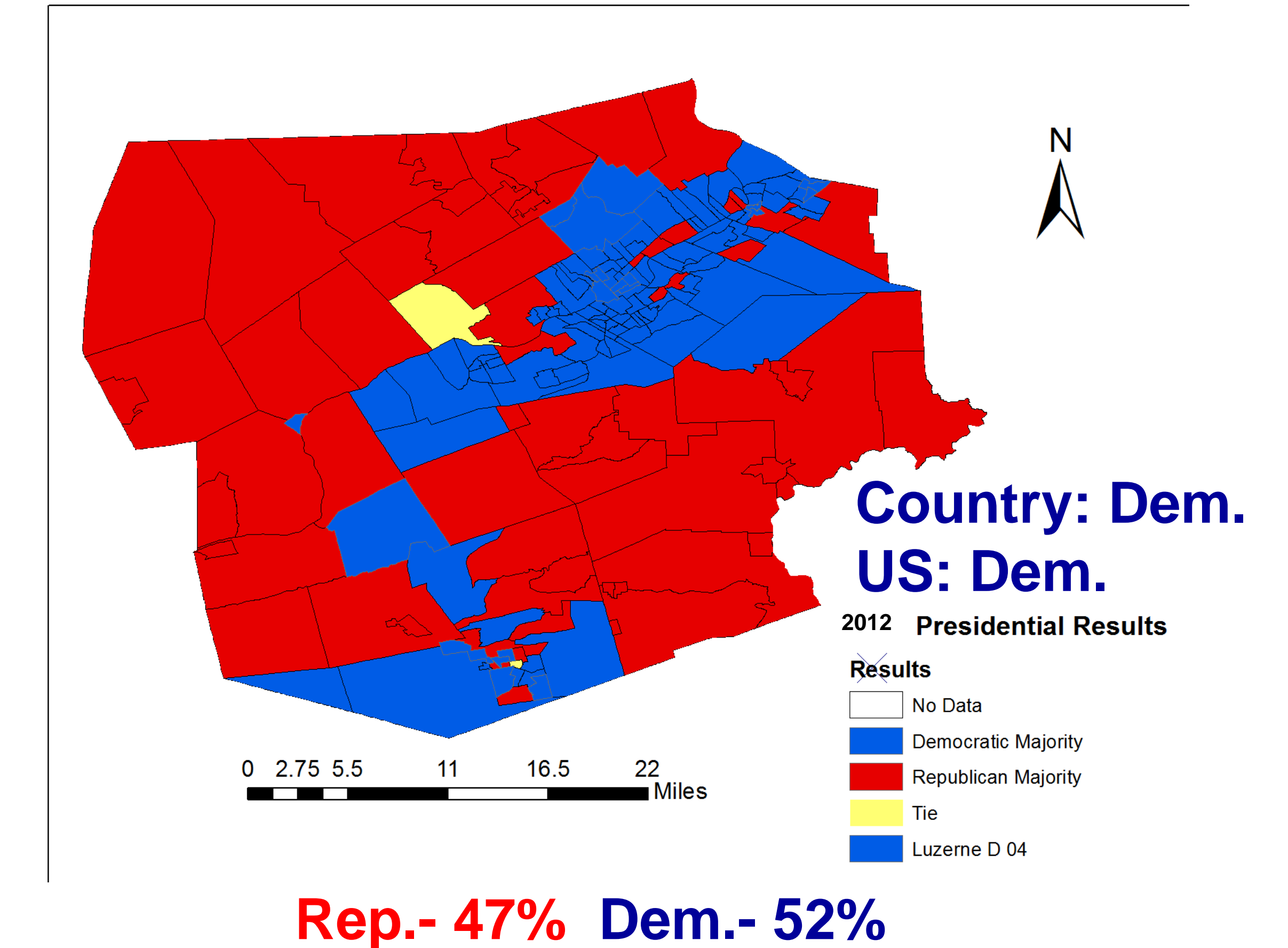
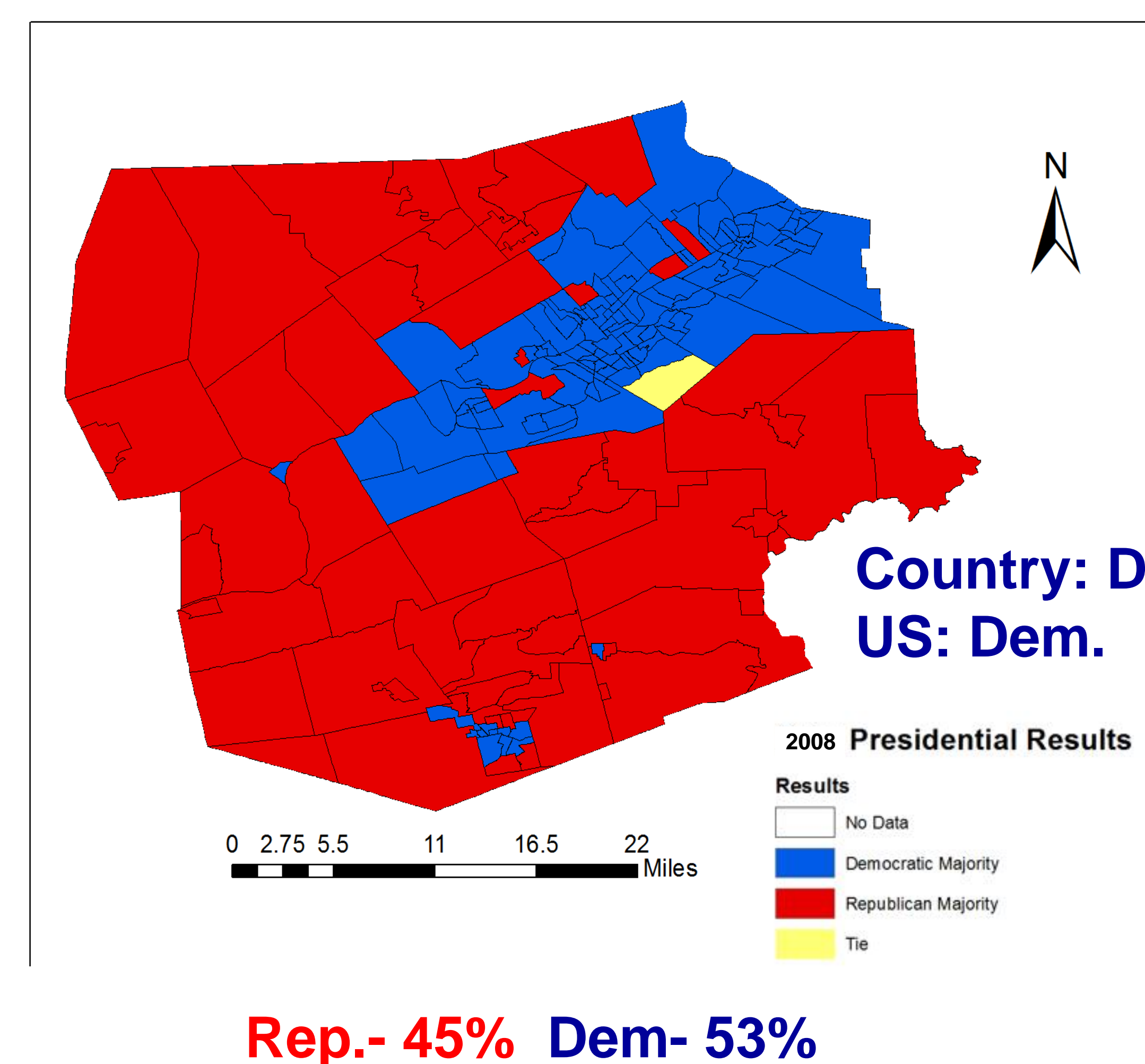
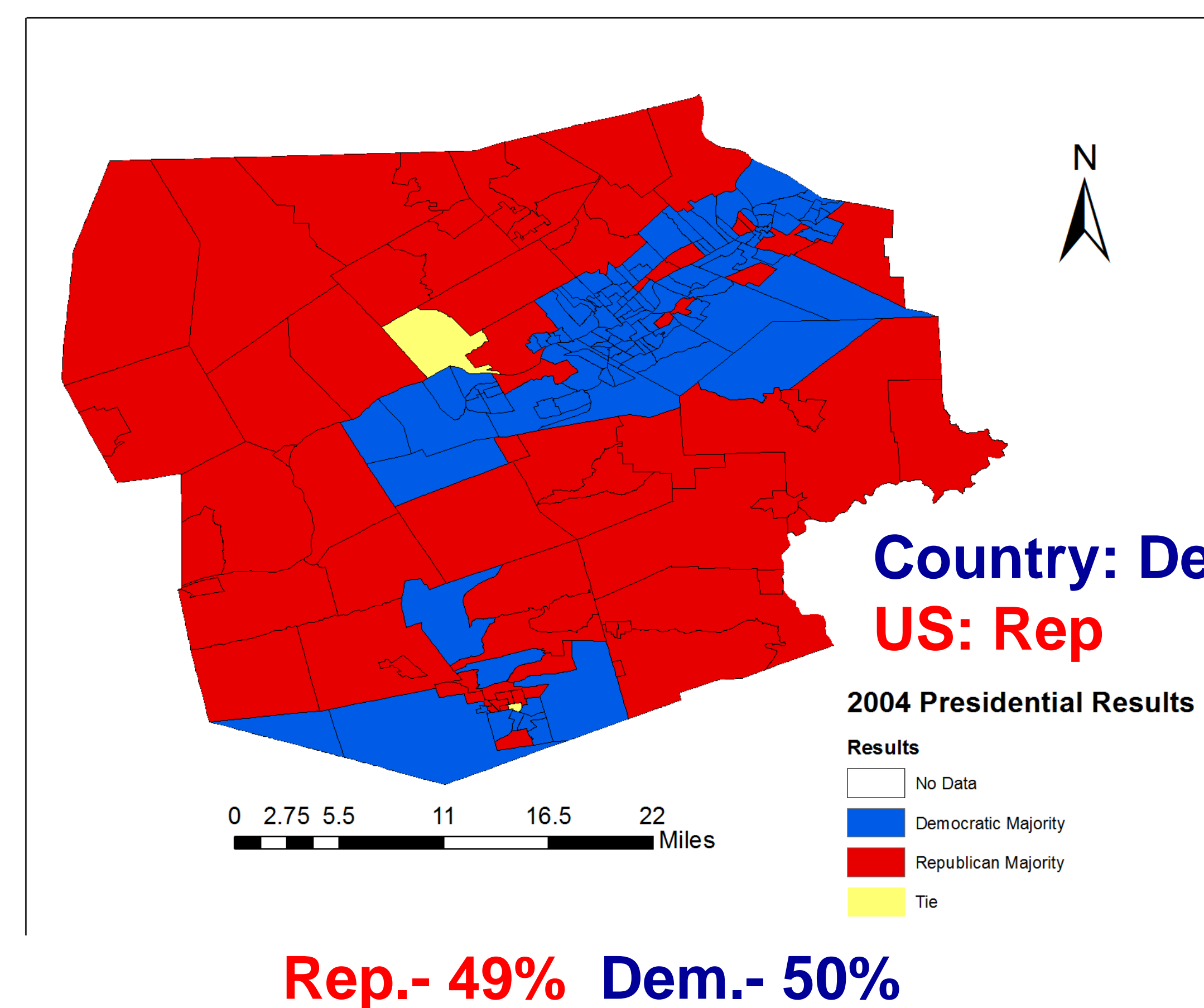
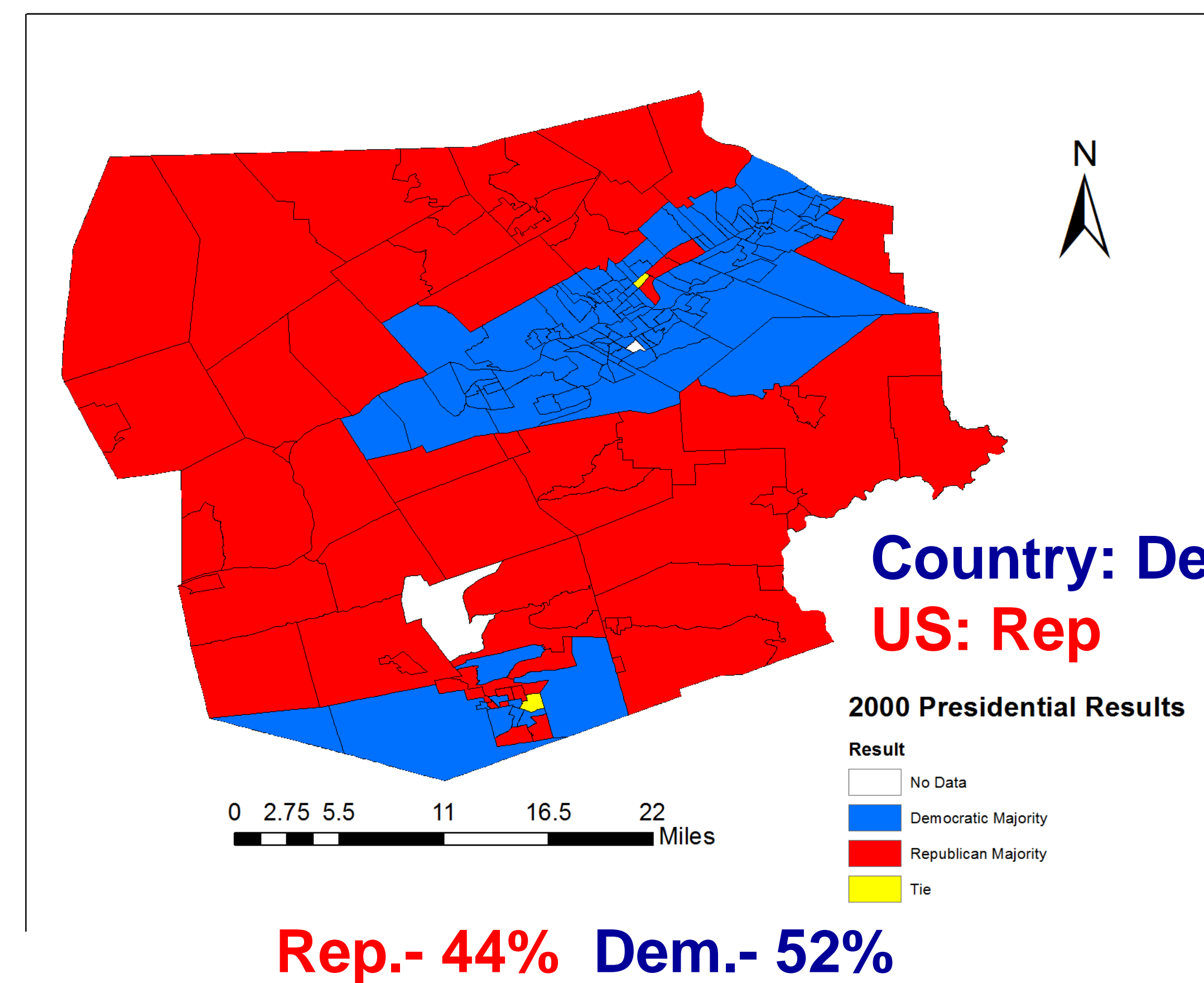
Precinct data for the years 2000-2008 was found online. For 2012 and 2016, data was obtained from the Luzerne County GIS Department, located inside the Luzerne County Courthouse. Areas with a Republican majority were shaded red and areas with Democratic majority were shaded blue. All maps were made using ESRI's ArcGIS software.

The below figure shows the study region - Luzerne County, PA.



Results

The maps on the right show voting patterns for the county. Red color depicts Republicans, while Blue depicts Democrats, Yellow is for Tie and White for No Data.



Conclusion/Future Work

- Further investigation should be conducted taking into account the demographics of the region to understand better the reasons for changing party
- Urban areas, such as the Wyoming Valley and Hazleton areas, are typically Democratic Majority
- Rural areas are typically Republican Majority

Data Sources

- Luzerne County Bureau of Elections
www.luzernecounty.org