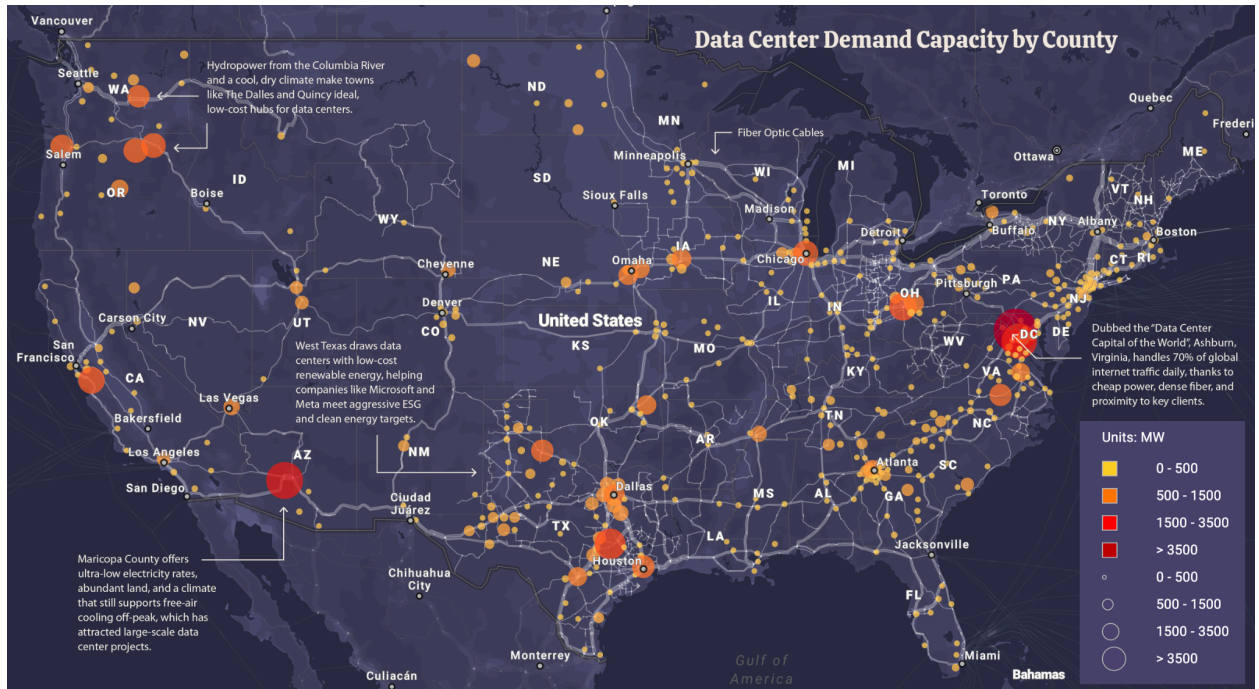Jeff Goseland
West - Advanced Data Visualizations

1. Find one example of an effective and one example of an ineffective way of visualizing data.
2. Provide a citation for the visualizations you find.
3. Explain why each is effective / ineffective in a paragraph.

Good with Some Minor Issues:

Visual Capitalist. (2025, September 20). *Mapped: The Massive Network Powering U.S. Datacenters*. Retrieved from:
https://www.visualcapitalist.com/map-network-powering-us-data-centers/

This visualization's effective use of color and scale effectively highlights the two major hotspots in the US for data center demand and explains them. VA and AZ are very high. The fact that they layer fiber optic routes is nice, but you have to search the visualization to find the explanation (next to MN). If it were near the legend, it would have been much easier to understand this.
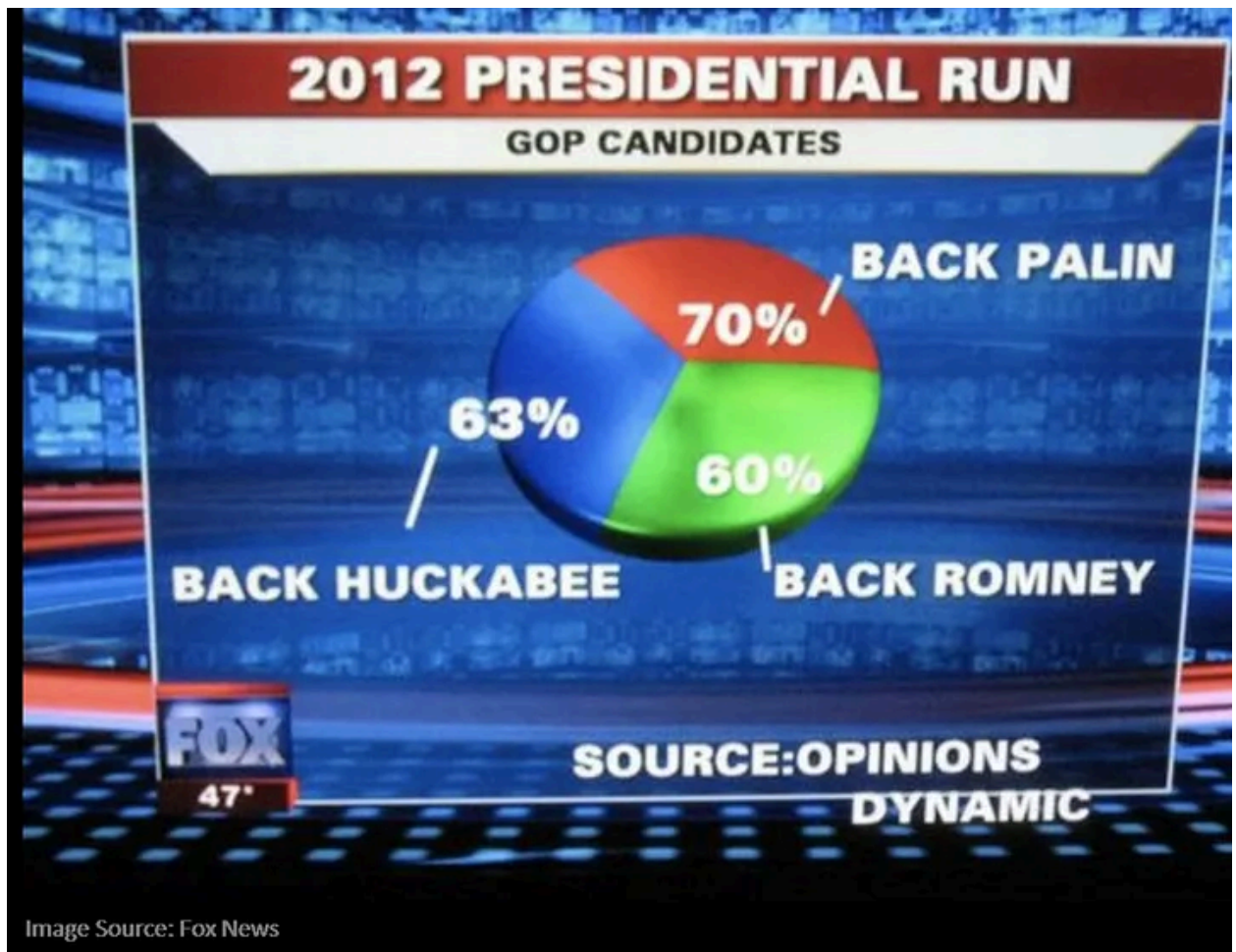
Bad:

Image Source: Fox News

Ana_kin. (2023, May 17). *Graphs gone wrong: Misleading data visualizations*. Medium. Retrieved from:https://medium.com/@Ana_kin/graphs-gone-wrong-misleading-data-visualizations-d4805d1c4700

 Other than the source (sorry), it's a terrible visualization for data that is true.   The poll data is showing the same questions asked of pollers, but the questions aren't mutually exclusive. This in itself isn't bad….but you can't put that in a pie chart; the purpose of a pie chart is to represent a split of a whole.