**GEOG 825 lab 7 Questions:**

**Question 1 What data field in our layer is being used for color info and how do you know?**

The data.properties.diff is being used for color info because it is applied using the getColorFunction which is specified in the next paragraph.

**Question 2 How would you rewrite the top part of the getColorForfunction so that there is an intermediate, light-blue tier with a break at 3?**

I would add value >= 3 ? “#70ffff” at the first row

**Question 3 Reflect briefly on what elements work well here and which might confuse audiences. How would you improve this map?**

I think it works well as the symbol varies from the poll difference, and it can easily to visualize. On the other hand, the state of Alaska and Hawaii are off the map; this is partly due to the map I constructed earlier (tile) from QGIS. The new tiles from the open-source do not automatically adjust to their location. I would custom it so, the map has the state name, county poll (maybe), north arrow, tog on/off a layer to improve its readability.

**Question 4 Briefly, why is scaling radius by a direct value bad for symbol mapping? Will the resulting symbols be proportional?**

The scaling radius by a direct value can be oversize or undersized if the value range is large. Sometimes, the small area with a large scale radius may cover other polygons. On the other hand, if the large polygon with very small value may not even seeing from the map. The result will not be proportional.