Lab6

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Part I-Links: <https://biquan679.github.io/Lab6/Lab6.html>

**Question 1:** Why are cylindrical projections more common in web maps?

**A:** Web maps are generally viewed from a monitor that always is rectangular. The line in cylindrical projections have no distortion and represent the true direction. This advantage is important for web mapping and visualization through a monitor since it is more understandable the elements in web maps.

**Question 2:** In a monochromatic choropleth such as this, how are audiences likely to interpret the darker shades? Why? How would you modify colors and/or shades if the title were “brand new lincoln homes” instead? Why?

**A:** The audiences may likely interpret the strong raspberry color are representing newest buildings, because the stereotype to monochromatic choropleth would be from light color to strong dark color, representing the oldest to newest.

If the title were “brand new Lincoln homes”, I would modify the colors as following, by switching the color of lowColor and highColor:

var lowColor = "#f9f9f9";

var highColor = "#bc2a66";

Thus, the newer buildings would be highlighted in the strong raspberry color and the older buildings would be filled with light pink, which could let the audiences pay more attention to the strong dark color of the new homes as the title described.

Part II -links: <https://biquan679.github.io/Lab6/Ownmap/Ownmap.html>

A follow-up question:

Dear Dr. Robert Shepard,

I am trying to add a base map but I have no idea how to implement. I looked at several online samples, and I tried to follow with their codes. However, it didn’t work. I am wondering that do you have any materials related to the samples we used to add a base map with the D3. Thank you.