IS 590DV

Week 4

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Warm up activity: Social Connectedness in America

- Map showing an index of connectedness, created using friendship links between pair of anonymous Facebook users.
- Darker the color, greater the relative likelihood of people living in different countries are connected through Facebook.
- 'Share of friends' depicting % of people living nearby is too small and not visible.
- Search bar is present where counties can be searched easily.

Data types in visualization-

- While examining data look for geometric object, connections between data points, categories, quantity, continuity.
- Example of geometric object representing x,y,z co-ordinates.
- To encode values associated with data points consider dimensions of representation- position, color, shape, size, relationship and motion.
- Data organized in a continuous fashion along one or more dimensions can enable additional operations.
- Different distributions pattern and how to make them continuous
- Consider average factors for average and weighted graph

In-class activity:

To take a set of values, a series of bin boundary values and returns integers ids in python

Worked on 2018 Champaign Weather dataset to understand different types of visualizations.

(Code available on GitHub)