DSC 465
Homework 4

Submit a PDF file with your answers.

Clearly label which answer and visualization goes with which question. If it is not easy to find your answers, you may lose credit.

Include text answering questions and images of your visualizations (from screenshots or copying and pasting right from Tableau or RStudio into your document). Explain very briefly how you created the visualization and include R code files in your submission.

All visualizations must conform to the design criteria covered in class. The techniques should be appropriate for the data and the graphs should be clear and uncluttered.

This is an individual milestone for the project. You will use your group project data to create visualizations yourself. They can be used in the project but they don't have to be.

1) Create a visualization using one of the techniques from the latter half of the class (after the midterm). For example, from Week 7 you could use one of the techniques from the Categorical unit, like a mosaic plot or Bertin matrix, or you could try applying an interactivity example to your project data. Week 8 offers uncertainty visualizations and contours and 2D binning to apply to numerical variable relationships. Despite being covered earlier, a cartogram is also allowed.

   Each group member's visualizations must be distinct. The group's visualizations can use the same technique if they cover different aspects of the data or use the technique in different ways.

2) Do the same as in item 1 but for another type of visualization. For this, you may use visualizations going back to Week 4, which includes geographical, statistical and special timeseries plots (e.g. tile plots or line graphs with smoothing). You may use the same type of visualization as item 1 if the two cover different aspects of the data or use the technique in different ways.