## Homework 3: Creating a Map

Due Date: 9/29/2018

Everyone loves maps, they like to zoom to where they live, where they’ve been, and it often places valuable context about their neighborhood, country and world. Students will create a series of leaflet maps with data from polygons, polylines, dataframe (csv/xlsx) or point and/or raster data. Map data can be spatial data from any resource. (World Maps are fine)

Each Map will include:

* A Basemap
* One map with a layer of points
  + Students may use either circles or markers
* One map with a layer of lines
* One map with a layer of polygons
* One of the maps must contain a variable which changes of the color of the elements or the marker with an accompanying legend
* One map must contain a functioning layersControl()

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| Standard | Weight | 100-90 | 80-89 | 70-79 | 60-69 | 50-0 |
| Code Standards | 20 | All code meets Style Guide standards | Most code meets Style Guide standards | Some code meets style Guide standards | Little code meets Style Guide standards | No code meets Style Guide standards |
| Git Commits | 30 | All git commits are clear | Most git commits are clear | Some git commits are clear | Few git commits are clear | No git commits are clear |
| App functionality | 60 | All assigned and extra elements and portions of the app work as expected | All assigned and a few extra elements and portions of the app work as expected | All assigned elements and portions of the app work as expected | Some assigned elements and portions of the app work as expected | None of the assigned elements or portions of the app work as expected |
| User Interface | 40 | All UI elements are clearly labeled and function properly | All UI elements are labeled and function properly | All UI elements function properly | Some UI elements function properly | No UI elements are labeled nor function properly |