Homework #1

1. **(2 Points)** Review an existing visualization from [Data Visualization Gallery](#):

   ● What message(s) the visualization intends to convey
   ● A thoughtful critique of the visualization - both pros and cons - ways in which the visualization does a good job, ways in which it could be improved

2. **(8 Points)** Find an existing dataset from a domain that is of interest (health, politics, economics, sports, etc.) and create two engaging visualizations (bar plot, line plot, scatter plot, box plot, histogram, etc.) using any visualization tool. Justify and explain the thought process behind choosing those particular types of graphs, i.e., why would this particular type present the data better than other possible alternatives.

   Here are some example datasets (cleaning needed):

   ● MoMA collection: https://github.com/MuseumofModernArt/collection
   ● Uber trip data: https://github.com/fivethirtyeight/uber-tlc-foil-response
   ● Airbnb user sessions: http://databits.io/challenges/airbnb-user-pathways-challenge

   Note:

   Main title and titles for every axis (x, y, etc.) must be labeled
   Aesthetically pleasing (modify default parameters, add colors, etc.) and engaging
   Source code must be attached; hardcopy of the homework is due at the beginning of the class