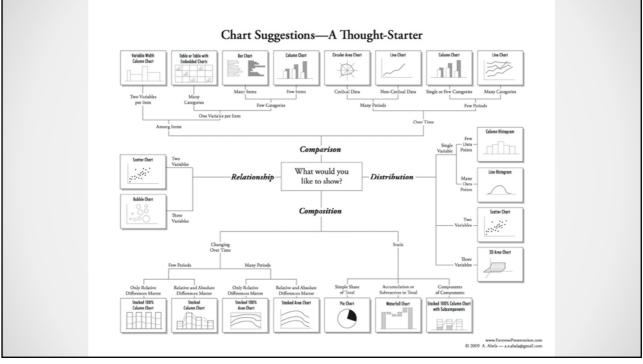
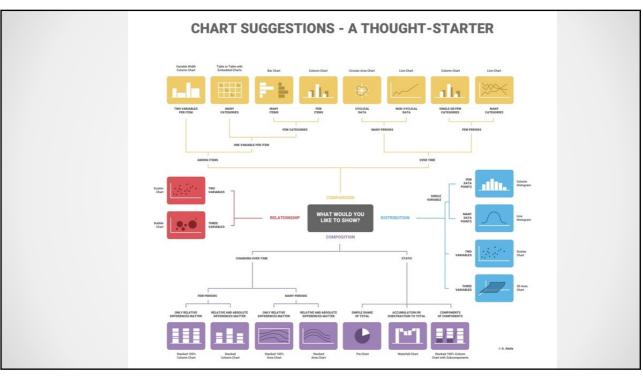


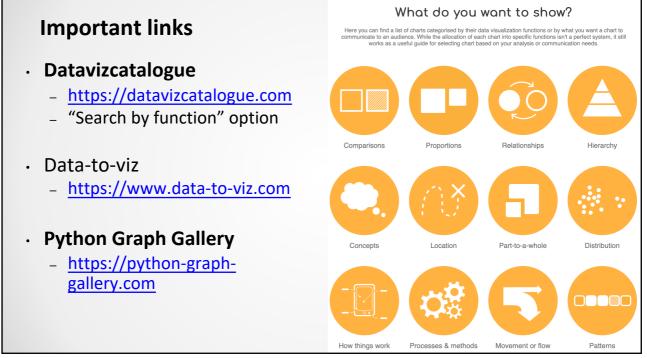


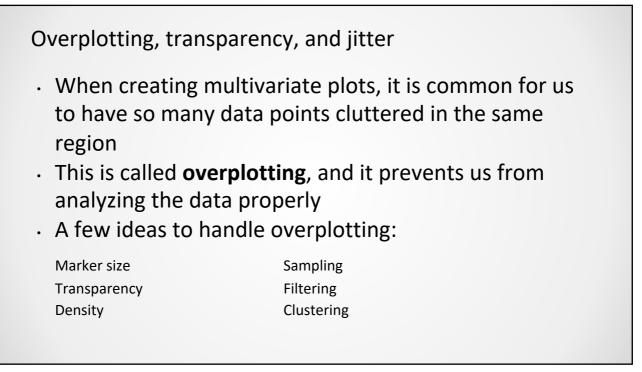
Bivariate plots

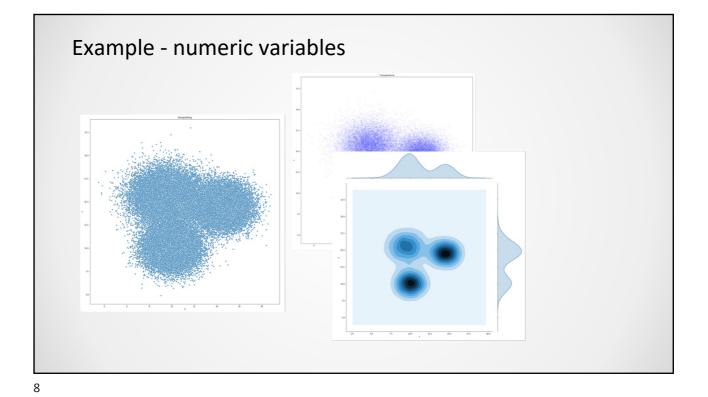
- Main goal: verify the existence of relationships in two variables
- The definition of which type of visualization we need to build depends on the variables we are using
 - Scatterplots: two numeric variables
 - Line plots: two numeric variables
 - Box-plots and violin plots: categorical and numeric variables
 - Heatmaps: two numeric variables or one categorical and one numeric

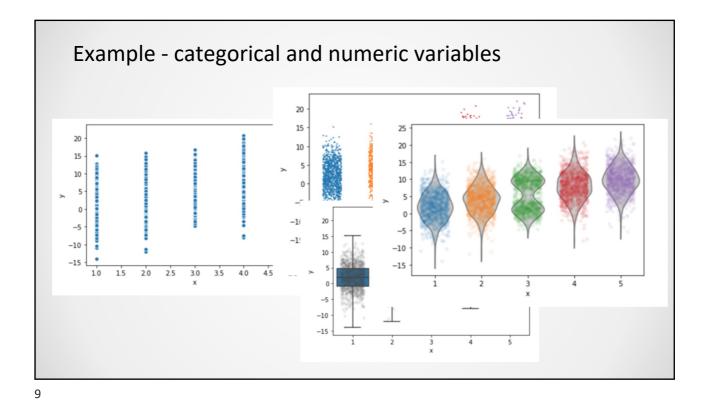












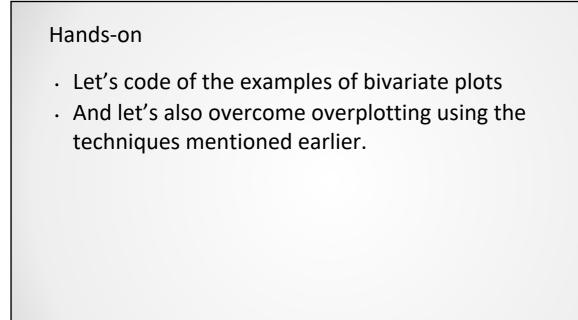


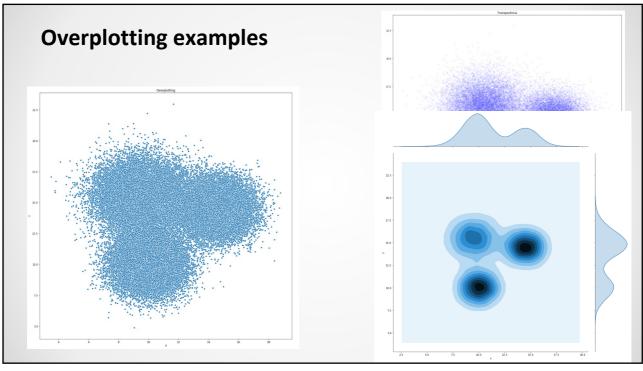
Overplotting

- Issue that araises when there are many data points that share the same region in the plot
- Ways to overcome overplotting:

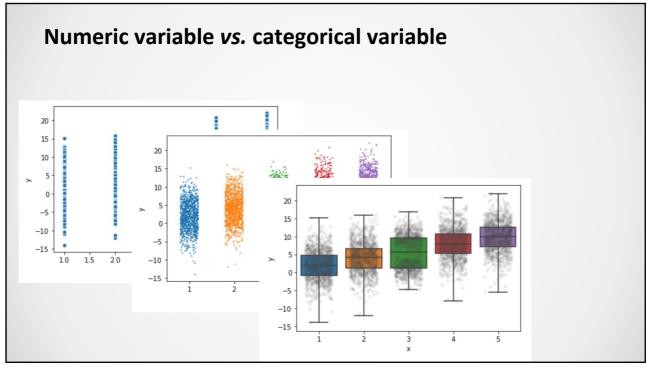
– Jitter

- Marker size
- Transparency
- Density
- Sampling
- Filtering
- Clustering











Back to Kobe's shots

- · It is time to conduct a data analysis
- Try to work as follows:
- · State an hypothesis/question about the data
- · Analyze and plot the data
- Discuss the visualization, either by corroborating or invalidating the hypothesis

