Data Visualization Bingo

* This chart type shows individual parts that make up a whole
  + Pie Chart
* Describe the relationship between the Represent and the Acquire Stage
  + During the acquire stage a particular dataset is located and downloaded from a trusted source, or it is collected personally by an individual. During the Represent stage a particular dataset is visualized and represented in a form of a graph or chart.
* I can describe what happens in the Filter stage
  + During the filter stage a smaller part of your data is highlighted to get represented. During this stage all your dataset is kept but only a small portion is used for calculations.
* Define & give an example of a primary data source
  + Primary data source is a record of an event that has not been interpreted or commentated on. Primary data sources are derived from original thinking, experiments, reports, or discoveries. An example of a primary data source would be Personal narratives.
* I can describe what happens in the Refine stage
  + During the refine stage it is determined that the data visualization is successfully catered towards the intended audience. It is also good practice to make sure that the visualization is kept simple and is not overcrowded with unnecessary information.
* Describe the relationship between the Represent and Filter Stage
  + During the filter stage the data set is sorted to a point where only the crucial information necessary to answer the questions remains. Afterwards the filtered data is represented through graphs and charts.
* This chart type allows you to compare values
  + Bar chart allows you to compare values with each other.
* List the advantages of filtering data before mining
  + The advantages of filtering data before mining include having less raw data being turned into useful information. Another advantage of filtering before mining is having less data to process and find a pattern in.
* Describe the relationship between the Represent and the Critique Stage
  + During the represent stage data is being visualized using graphs and charts. And then after during the critique stage the visualization is being looked at by peers or coworkers and is getting criticized, to determine if the data is being visualized in the proper way.
* List 4 basic statistics methods for describing data
  + The four basic statistic methods for describing data are measure of frequency, measure of central tendency, measure of dispersion or variation and measures of position.
* Describe the relationship between the Critique and the Refine Stage
  + During the critique stage peers or coworkers or an online source is used to determine if the data has been visualized in the most effective way. If the visualization fails to meet any of the expectations, then it is refined or changed to better meet those expectations.
* List the stages of visualizing data (covered in class)
  + The stages of visualizing data are acquire, parse, mine, filter, represent, critique and refine.
* Define & give an example of a secondary data source
  + Secondary Data source is data set that has been commented on and interpreted and was collected by someone other than the primary source. An example of secondary data source would be a governmental dataset.