Writeup Outline

* Introduction
* What the project is
  + CKAN
    - Intial data
    - Must be annotated by hand
  + RDF
    - Final form of data
    - Retrieved by SPARQL Queries
  + QB
    - Visualize the data
* Charts
  + Structure of Functions
    - Data
    - JSON Options
    - Difference between make and Draw
    - Reasons why they are all the same
  + Specific Visualizations Made
    - Bar Chart
    - Scatter Plot
      * Polynomial Regression
    - Pie Chart
    - Parallel Coordinates
  + Overview of K-means and Ordering Algorithms
    - K-means
      * SSE Objective
      * General Outline of how it classifies
      * Different Initializations
    - Ordering
      * Reason for making it
      * Ordering based on any type of errors
      * Least Square Regression Error, and Crossing Error
  + EM Algorithm
    - Probabilistic Clustering and Difference from K-means
    - Outline of Algorithm
    - Different Initializations
    - Use of K-means SSE Objective to find “best”
    - Use of weights/probability to aid in coloring
* QB
  + Integration between charts and QB
    - Supply a function, and options
    - Then the data is “converted” to a two-dimensional array and passed to the function