1. For the data source at https://www.kaggle.com/russellyates88/suicide-rates-overview-1985-to-2016, perform the following steps in python using pandas, matplotlib and/or seaborn. Use code cells to perform functions with a comment for each line explaining what it is doing (and using intuitive variable names), and mark-down cells to note down any significant observations after each code cell (e.g., "Variable X appears to be normal distributed"):

a. **Preliminaries:**
   i. Print the datatype of each variable.
   ii. For each variable, print the number of unique values.
   iii. For each variable, display the number of missing entries.
   iv. Find the number of records with no missing entries.

b. **Discrete variables:**
   i. For each variable, plot the frequency of each unique value (histogram).
   ii. For each variable, identify the mode value.

c. **Continuous variables:**
   i. For each variable, print mean, variance, skew, min, max, median, 25^{th} percentile, 75^{th} percentile, and interquartile range.
   ii. For each variable, use QQ-plot to see the extent to which the variable deviates from normal distribution, and how (left-skew, right-skew, or more like uniform distribution)
   Iii. Plot the heatmap and observe the correlation matrix between various variables. (Highly correlated variables do not give us much new information, hence you may drop them from your analysis)

Bonus - Try to perform such (and even more elaborate analysis) on datasets of your choice!!