Exercise - part 1

Exploration:

1) Load the data, and present the 10 top records.
    a) From what manifestations did the first patient suffer from? Is he deceased?
    b) What are the maximal and minimal values of Systolic blood pressure in the previous 10 patients?

2) How much patients from the cohort passed out? What is their relative size? Are there any missing dead values? Explain.

3) How many missing values are found in the second follow-up columns. Are they randomly absent? Explain.

4) How many missing values are found in the first follow-up columns

5) create a parameter that describes how many Cardio-Vascular events the patient suffered from. (Hint: there is an easier way than using a boolean command)

Visualization:

1) How many patients suffered from each of the described events? Plot a bar plot which present the number of patients suffering from each event. (Try to train on editing the plot)
2) Per event, per patients that suffered from the manifestation, Present on a graph the distribution of time until event, Via the following types of graphs: Boxplot, violin, histogram, joy plot.

   How does each type graph contributes to your intuition about the behavior of the data?
3) Draw a percentile graph for the patients BMI

Small Integration:

1) Extract from the data rows with no missing values at all
2) Is the distribution of Systolic blood pressure and Diastolic blood pressure similar to that of the whole data?
3) Test the fitting between diastolic and systolic blood pressure in the extracted dataframe. Is it similar to that of the whole data?
   Use visualisation methods.