**IC 272: Lab1: Data visualization and statistics from data**

You are given the Pima Indians Diabetes Database as a csv file. This dataset is originally from the National Institute of Diabetes and Digestive and Kidney Diseases. The objective of this dataset is to predict whether a patient has diabetes based on diagnostic measurements. Write a python program (with pandas) to read the given data and display following:

* + Mean, median, mode, minimum, maximum and standard deviation for the attributes ‘Age’ and ‘BMI’
  + Obtain the scatter plot for the attributes ‘Age’ and ‘BMI’ (You can use matplotlib library).
  + Find the value of the Pearson correlation coefficient between the attributes ‘Age’ and ‘BMI’
  + Plot the histogram for the attributes ‘Age’ and ‘BMI’ (You may use “hist” function from pandas)
  + Group the data according the attribute ‘class’ and plot the histogram for attribute ‘pregs’ for each class value (Use *“groupby”* function)
  + Obtain the boxplot for the attributes ‘Age’ and ‘BMI’ (Use “boxplot” function)
  + Obtain the scatter plot between all the attributes taken pairwise in the given file.