

Use Breast Cancer Wisconsin data sets from UCI Machine Learning Repository (<http://archive.ics.uci.edu/ml/>) to perform following tasks in python :

- 1) Calculate the mean, median and standard deviation for all attributes.
- 2) Draw the boxplots for each attribute.
- 3) Draw a *scatter plot* and a *q-q plot* based on these four variables.
- 4) Normalize the two variables based on *z-score normalization*.
- 5) Calculate the *correlation coefficient* (Person's product moment coefficient).

Are these variables positively or negatively correlated?