Assignment 2

2.1 Compute and plot mean, median, mode for symmetric, positively skewed and negatively skewed dataset. **[Create suitable datasets randomly]**

2.2 Construct various regression models such as Linear regression, Multiple regression and logistic regression and compute the **missing values** of an attribute.

2.3 Smooth the values of an attribute to **remove the noise** by binning methods: (a) bin means (b) bin medians (c) bin boundaries

Assignment 3

3.1 Discretize a continuous valued attribute of a dataset into K-discrete values using following procedures:

    (a)   Histogram Analysis (Equal width & Equal depth)
    (b)   Cluster Analysis (use clustering algorithm design for Assignment 1)
    (c)   Entropy-Based Discretization
    (d)   3-4-5 rule based natural segmentation

3.2 Install Weka tool: http://www.cs.waikato.ac.nz/ml/weka/citing.html in your computer and learn it using help provided in it.