Machine learning worksheet – 8

1.Ans) A) The mean of the Є is zero, C) Є is the error which is introduced because there may be some predictor variables apart from the given variable which are effecting the response variable

2.Ans) B) It also covers up the measurement errors in the response variable. C) It covers up the error introduced because we can never find the exact or true f(X).

3.Ans) A) The distribution of random error will be Gaussian, D) The random will be independent of X

4.Ans) A) To predict the sales of a product based on the marketing budget on different media like TV, Newspaper, Radio, etc,

C) To predict the stock price of a company based on the previous stocks prices

5.Ans) C) The random error is independent of the curve to be used or fit of the curve

6.Ans) B) Least Squares Method

7.Ans) A) y1 = Β\*x1 + C, where B and C are parameters

8.Ans) A) Linear function of AGE

9.Ans) A) P = 1

10.Ans) C) Spearman correlation coefficient = 1