

Date : 05 Oct 2021

Lab Experiment No. 2

Aim :

Consider two data sets given i.e. *Customer Behavior* and *House Price Prediction*.

I. Find Bivariate Association between numeric variables using Covariance and Simple Correlation for the given “House Price Prediction” Data set. Represent the results of covariance and correlation into $n \times n$ matrices. Where n is the number of numeric variables.

II. Find Bivariate Association between categorical variable “Gender” and numerical variable “Salary” using Point Biserial Correlation for the given Data set i.e. “Customer Behavior”.

Conclusion : Please write a precise conclusion for the strong or moderate relations you have found from given datasets.

Note : Please make use of Library (Pandas) for data frame creation from the CSV file and identification for categorical and numerical variables.

Create user defined functions for finding Covariance, Simple Correlation and Point Biserial Correlation.