## Problem 1

Source code is present in P1\_data file with name problem1.py

In code, given below: variations of covariance can be done.

```
cov6=cov5
```

## Problem 2

Source code is present in P2\_data file with name problem2.py

In the source code, given below: variations of covariance can be done.

## Probelm3

Source code is present in Problem3 file with name 1problem3.py

## NOTE:-

\_I have used libraries of python like:-

Pandas:- to extract data.

Numpy:- to take multidimensional array and to calculate inverse, matrix multiplication and finding determinant.

Matplot:- to plot the data.