## PYTHON FOR STATISTICS III Notes

## Libraries

Paudos > Daba manipulation and anaylisis & handling csv files Mat Plot lib. pylot > used to crede visuals & graphs Random > used to generate random numbers

Reading Doba From CSV File used pd. read \_ CSVCS bo read the specific column Combaining morks into a variable

- Performing Bosic Statistics
  Pandas Provides relavent functions to perform bosic statistics i.e. Mode, mean, median, Range, standard Deviation, variance & congrence.
  Random provides function to creat a random integer

> Matplotlib provides relevent functions for each kind of graph

Subplots: pit. Subplot is used to creat 4 subplots to cuter multiple graphs

> relevent graphing functions are provided data occordingly to produce occurate representations of date.

> Data is then adjusted and shown brings Plt. Show

marks - Grequency = marks. value\_ counts (). Sort - index ()

. Value \_ counts () -> returns a new set of data that consists of the frequencies of values found in variable marks and stores in marks \_ frequency. values. · Sort\_index () > reburns a new set of data that

consists at the unique values from the values in variable marks and stores them in marks-frequency index