



K. K. Wagh Education Society's

K. K. Wagh Arts, Commerce, Science & Computer Science College, Kakasaheb Nagar

At. Post. Kakasaheb Nagar, Tal. Niphad, Dist. Nashik – 422308.

(Affiliated to Savitribai Phule Pune University)

SPPU ID: PU/NS/ACSCS86/2004

College Code: 774

A.I.S.H.E. Code: C-42166

+ 91-2550- 257291

principal-seniorknagar@kkwagh.edu.in

www.https://asck.kkwagh.edu.in

Certificate Course: “Basics of Statistical Data Analysis”

Duration: 03 Months

Per Week Lectures: 02 (on Friday, Saturday: -1:30 pm to 2:20 pm)

Course Code: (STAT-001)

Total Marks: 50

Syllabus

Objectives:

1. To develop the student's ability to deal with numerical and quantitative variables.
2. To have a proper understanding of statistical investigations on data analytics.
3. To enable the use of software packages on data manipulation and its interpretation

Sr.No.	Name of Topic	Lectures (30)
1.	Chapter 1: Introduction to data, presentation of raw data, graphs and diagrams (Pie chart, Bar chart, and Histogram), measures of central tendency (Mean, Median and Mode) and dispersion (Standard deviation), correlation (Pearson's and rank correlation), linear regression	07
2.	Chapter 2 : Elements of a spreadsheet (Excel or Google sheet or Open Office or Libre Office), creation of worksheets, editing, formatting, and saving, introduction to functions in a spreadsheet, if function, freeze panes, v lookup, h lookup, sorting, filter and creation of pivot tables	07
3.	Chapter 3: Data analysis using spreadsheets - graphs and diagrams (Pie chart, Bar chart, and Histogram), summary statistics (Mean, Median, Mode, Standard deviation), calculation of correlation coefficient and performing a simple linear regression	08
4.	Chapter 4 : Data analysis using SPSS - the creation of data file, editing, saving, graphs and diagrams (Pie chart, Bar chart, and Histogram), summary statistics (Mean, Median, Mode and Standard deviation), calculation of correlation coefficient and performing a simple linear regression.	08



Course Co-ordinator

HOD

Principal