



As a part of completion of 50 years of Establishment, presents

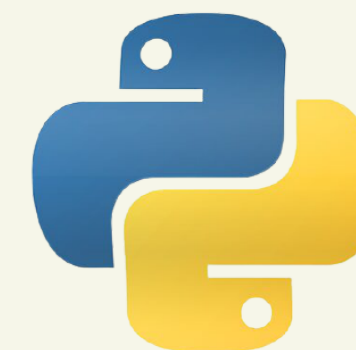
A CERTIFICATE COURSE ON

PYTHON FOR STATISTICS

Welcome to Department of Statistics!

The newly proposed course is designed to boost your success by diving into the real-world of statistics.

Taking theory and immediately applying it through Python onto basic statistical problems to give you the knowledge and skills you need to excel.



INTRODUCTION

This course is designed to teach learners beginning and intermediate concepts of statistical analysis using the Python programming language. Learners will study data design, data management, and how to effectively carry out data exploration and visualization. Learners will be able to utilize data for estimation and assessing theories, construct confidence intervals, interpret inferential results, and apply more advanced statistical modeling procedures. This course is designed by one of our alumnae **Ms. Smita Shah** having more than 35 years of experience as a Statistician. The faculties have more than 15 years of experience in teaching.

OBJECTIVE

Python is a popular general-purpose programming language that is well suited to a wide range of problems. The objective of this course is to get comfortable with the main elements of Python programming used for Statistical Analysis.

TARGET AUDIENCE

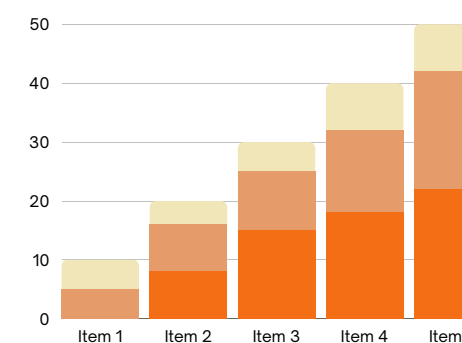
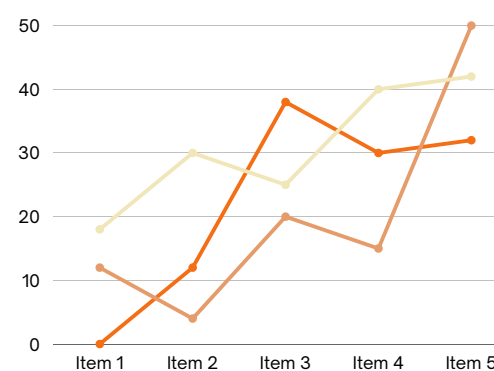
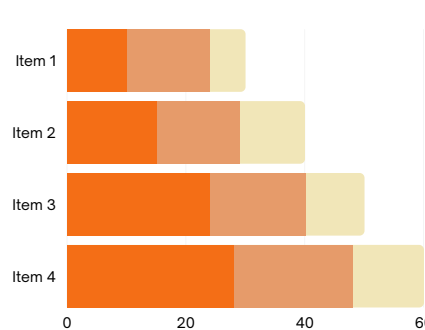
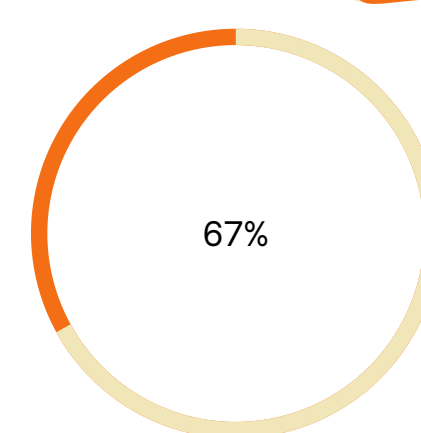
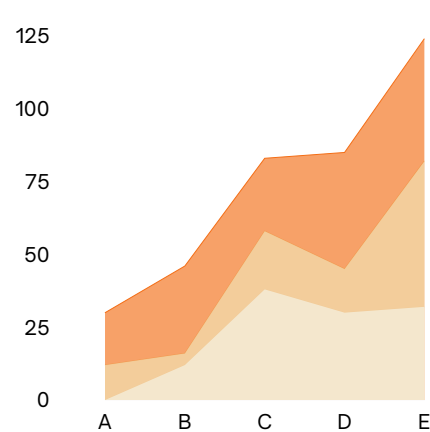
This course focuses on the Python language and its applications to basic statistical problems. It is deliberately light on complex content, so to be accessible and suitable for attendees from any background who have an interest in learning Python for Statistics. Attendees only need experience using a windows PC . **No prior coding experience is necessary. Any candidate who has already passed H.S.C. with English as a compulsory subject and has a basic knowledge of Statistics is eligible for the course.**

DURATION OF THE COURSE

The course will be of **45** hours. The fees of the course will be **Rs. 3000**. Number of seats are **60**. The course also includes Case Study and Group Project.

WHAT YOU WILL LEARN

- Learning Jupyter note book and Spyder.
- Installing and understanding various basic libraries like Numpy, Pandas, Statsmodel, Matplotlib and Seaborn, Sklearn.
- Descriptives Statistics and Visualization of data
- Inferential Statistical Analysis like ANOVA, Correlation and Regression, Parametric and Non-Parametric tests, etc.
- Fitting Statistical model and Evaluation of the model.



This poster is designed by Ms. Niharika N. Navlakha (Visiting Faculty, Department of Statistics, VNSGU)
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