

Title : E-FDP on Quantitative Qualitative Analysis Using Python

Date : January 04 - 06, 2021

Resource person : Dr. Akanksha Upadhyaya, Assistant Professor, RDIAS, Delhi

About :

TOPICS TO BE COVERED:

1. Introduction to Quantitative and Qualitative Research.
2. Introduction to Anaconda and Jupyter Notebook
3. Numpy vs. Pandas
4. Importing Pandas.
5. Working with Series and Data Frames in Pandas
6. Importing Data set
7. Data Cleaning, Data Manipulation, sorting, filtering, descriptive statistics
8. Introduction to Matplotlib and Seaborn
9. Introduction to Natural Language Processing (NLP)
10. Stages in NLP, Text mining vs. NLP
11. Sentiment Analysis, its types, applications and examples, sentiment analysis vs. word cloud.
12. Sentiment Analysis in Python using Natural Language Toolkit
13. Importing Sentiment Analysis Libraries
14. Working with Natural Language Toolkit-Vader
15. Experimenting with Sentiment Analysis, calculating sentiment for a paragraph

Importance of the topic:

Qualitative research is a scientific method of observation to gather non-numerical data. It has significance in terms of reviews about a product, know-how about the product or services, sharing experience or emotions about an event etc. It includes scientific research emphasizing for seeking answers to the questions, analysis of experiences, events, emotions and textual data. *Quantitative analysis* involves looking at the hard *data*, the actual numbers. Therefore in order to improve the understanding by integrating both ways of knowing the FDP has been planned to organize. The FDP will help researchers for exploring many of the why and how questions of human experience, in making a decision and will help them to redirect the research towards analysis of numerical as well as non-numerical data.

Why should attend:

1. To gain understanding of Quantitative as well as Qualitative data analysis and its research implications.

2. To enable the participants to gain knowledge about Python, its uses and applications in terms of quantitative and qualitative methods.
3. To provide new outlook to the research style by integrating Quantitative as well as Qualitative analysis.

Target Audience/ who should attend:

Student, budding researchers, Research Scholars, Academicians

Registration Start Date : December 20, 2020

Registration Last Date : January 01, 2021

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