

**Title :** E-FDP on Quantitative Qualitative Analysis Using Python

**Date :** June 14-16, 2021

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

**About :**

**TOPICS TO BE COVERED:**

16. Introduction to Quantitative and Qualitative Research.
17. Introduction to Anaconda and Jupyter Notebook
18. Numpy vs. Pandas
19. Importing Pandas.
20. Working with Series and Data Frames in Pandas
21. Importing Data set
22. Data Cleaning, Data Manipulation, sorting, filtering, descriptive statistics
23. Introduction to Matplotlib and Seaborn
24. Introduction to Natural Language Processing (NLP)
25. Stages in NLP, Text mining vs. NLP
26. Sentiment Analysis, its types, applications and examples, sentiment analysis vs. word cloud.
27. Sentiment Analysis in Python using Natural Language Toolkit
28. Importing Sentiment Analysis Libraries
29. Working with Natural Language Toolkit-Vader
30. 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:**

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

5. To enable the participants to gain knowledge about Python, its uses and applications in terms of quantitative and qualitative methods.
6. 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 :** May 25, 2021

**Registration Last Date :** June 10, 2021

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