

Workshop Report
Of
Workshop on "Advanced Statistical Data Analysis using R (ASDAR-2017)"
Sponsored by TQUIP III
Organized by **Department of Computer Science & Engineering, VNIT, Nagpur**, from
December 23-28, 2017

Submitted by
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About the Workshop

The workshop was an introduction to advanced statistical tools for data analysis using R. Statistical data analysis is one of the essential parts of the study in any field, specifically in business and economics. Data sets are growing rapidly mainly because their gathering has become cheap and also because many IoT sensing devices like mobiles, cameras, microphones, RFID readers and Wireless Sensor Networks (WSN) are pumping in a lot of data. Data analytics is one of the growing fields and there are many opportunities in the corporate sector as a research analyst for the one who is equipped with data analysis using software skills. The objective of this workshop was to make the researcher aware of statistical research methods using R and their applications related to Big Data.

Expert from academia as well as industries delivered the talk.

The entire program was a blend of theory, hands-on sessions on the popular R software for data analytics usage and case studies which will ensure rapid and effective assimilation of concepts.

The inaugural function of the workshop was held in the CSE Smart Classroom. The chief guest and keynote speaker of the function Dr. D.R. Peshwe, TEQIP Coordinator, VNIT. The function was presided over by Dr. Manisha Kurhekar, Incharge HoD, CSED.

The lectures, lab session and demonstrations were roughly in the following topics

1. Introduction to R Tool
2. Visualization using R
3. Sentiment Analysis
4. Regression
5. Logistic Regression
6. Decision Tree
7. Outlier Detection

The valedictory function was held on December 28, 2017. Dr. N. S. Choudhary, Director was the chief guest for the function.

The ASDAR-2017 workshop was attended by 43 participants (21 outside VNIT).

I sincerely thank the Director VNIT, and the Head of the department of Computer Science for giving an opportunity to organize the said workshop.

Report submitted by:
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