

# Delhi School of Professional Studies and Research

Affiliated to G.G.S Indraprastha University  
(NAAC Accredited "A" Grade Institution)

## DOSSIER

*On*

**"Workshop on R Studio"**

*On*

**May 09, 2019**

<b>Title</b>	Workshop on R studio
<b>Date and Time</b>	May 09, 2019
<b>Venue</b>	DSPSR
<b>Resource Person/Facilitator</b>	Ms. Supriya Sardana, Assistant Professor, Rukmini Devi Institute of Advanced Studies, GGSIPU
<b>No. of Participants</b>	23

## Summary

Ms. Supriya Sardana, pursuing her PhD in Finance from State Government University, Guru Jambheshwar University of Science & Technology and working as a faculty at RDIAS, delivered a one day workshop on R studio. R studio is widely used by academicians and Statisticians as it is a simple and effective research tool. The following topics were discussed:

1. Introduction and Installation of R and R studio and environment of R studio, Introduction to R packages, Concept of variables and datasets in R.
2. Importing data in R studio, Basic functions after importing data in R studio, Value labels in R studio.
3. Univariate analysis, measure of central tendency, dispersion, Skewness, Kurtosis, Normality Test, Univariate analysis with one or more categorical variables
4. Hypothesis testing, family of t test, one way anova
5. Data visualization: Bar plot, Histogram, Box Plot, Line, Chart, Pie, scatter plot
6. Correlation, Simple Linear regression and its assumptions
7. Multiple linear regression

Practical hands on session were conducted daily for better understanding of the participants.



