



IIT ROORKEE



NPTEL ONLINE
CERTIFICATION COURSE

INTRODUCTION TO R

LECTURE 03

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INTRODUCTION to R

- Installation Steps for Windows PC or Laptop
 - Install R
 - Download Link: <https://cran.r-project.org/bin/windows/base/>
 - Install RStudio Desktop
 - Download Link: <https://www.rstudio.com/products/rstudio/download/>
 - Install JAVA if not already installed
 - Download Link: <https://www.java.com/en/download/>
- Open RStudio
 - Installing R packages

INTRODUCTION to R

- R Graphical User Interface (GUI)
 - Command-line interface (CLI)
 - Similar to BASH shell in LINUX or interactive version of scripting language Python
 - RStudio is a popular GUI for R and it has been used to write R scripts for this course



INTRODUCTION to R

- RStudio has four main window sections
 - Top-Left Section: To write and save R code (Script section)
 - Bottom-Left Section: To execute R code and output (Console section)
 - Top-Right Section: To manage datasets and variables (Data section)
 - Bottom-Right Section: To display plots and seek help on R functions (Plot and Help Section)



INTRODUCTION to R

- Dataset Import
 - In this course, datasets are either imported from Excel files or created in RStudio
- Open Rstudio
 - R Basics



Key References

- Data Science and Big Data Analytics: Discovering, Analyzing, Visualizing and Presenting Data by EMC Education Services (2015)



Thanks...

