

Introduction to RStudio

Spoken Tutorial Project

<http://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in>

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Objectives

In this tutorial, you will learn about these features of RStudio:



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- ▶ **Source and Console windows**



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- ▶ **Source and Console windows**
- ▶ **Workspace; Plots and Files window**
- ▶ **How to install packages of R**



Pre-requisites



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► Elementary Maths



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- ▶ **Elementary Maths**
- ▶ **Basic commands of R**



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- ▶ Elementary Maths
- ▶ Basic commands of R

Please locate the relevant tutorials on
<https://spoken-tutorial.org/>



System specifications



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► Ubuntu Linux 16.04



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- ▶ **Ubuntu Linux 16.04**
- ▶ **R 3.2.3**



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- ▶ **R 3.2.3**
- ▶ **RStudio 1.1.456**



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- ▶ **Ubuntu Linux 16.04**
- ▶ **R 3.2.3**
- ▶ **RStudio 1.1.456**

R version 3.2.0 or higher



Packages in R



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R packages are

- ▶ **A collection of R functions, compiled code and sample data**



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- ▶ **Stored under a directory called library in the R environment**



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By default, R installs a set of packages



Summary

- ▶ **Source and Console windows**
- ▶ **Workspace; Plots and Files window**
- ▶ **How to install packages of R**



About the Spoken Tutorial Project

- ▶ Watch the video available at http://spoken-tutorial.org/What_is_a_Spoken_Tutorial
- ▶ It summarises the Spoken Tutorial project



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- ▶ If you do not have good bandwidth, you can download and watch it



Spoken Tutorial Workshops

The Spoken Tutorial Project Team

- ▶ Conducts workshops using spoken tutorials
- ▶ Gives certificates to those who pass an online test
- ▶ For more details, please write to contact@spoken-tutorial.org



Forum to answer questions

- ▶ Do you have questions in **THIS Spoken Tutorial?**
- ▶ Choose the minute and second where you have the question
- ▶ Explain your question briefly
- ▶ Someone from the **FOSSEE** team will answer them. Please visit

<http://forums.spoken-tutorial.org/>



Forum to answer questions

- ▶ Questions not related to the Spoken Tutorial?
- ▶ Do you have general / technical questions on the Software?
- ▶ Please visit the FOSSEE Forum
<http://forums.fossee.in/>
- ▶ Choose the Software and post your question



Textbook Companion Project

- ▶ The FOSSEE team coordinates coding of solved examples of popular books
- ▶ We give honorarium and certificate to those who do this

For more details, please visit these sites:

<https://r.fossee.in/>
<https://fossee.in/>



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- ▶ It is supported by the National Mission on Education through ICT, MHRD, Government of India
- ▶ More information on this Mission is available at:

<http://spoken-tutorial.org/NMEICT-Intro>



Thank You

- ▶ This script has been contributed by Shaik Sameer (FOSSEE Fellow 2018) and Sudhakar Kumar from FOSSEE project
- ▶ The video has been created by Vidhya Iyer, IIT Bombay

