

Introduction to R script

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:



Objectives

In this tutorial, you will learn:

- ▶ **How to work with an R script in RStudio**



Pre-requisites



Pre-requisites

► Basic commands of R



Pre-requisites

- ▶ **Basic commands of R**

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



System specifications



System specifications

► Ubuntu Linux 16.04



System specifications

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



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



System specifications

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

R version 3.2.0 or higher



What is R script



What is R script

- ▶ **An R script is a plain text file in which you save your R code**



What is R script

- ▶ An R script is a plain text file in which you save your R code
- ▶ Script allows you to show your work to others, and also reproduce and modify the results

Creating a folder for our project



Creating a folder for our project

- **myProject** folder on Desktop



Creating a folder for our project

- ▶ **myProject** folder on Desktop
- ▶ Scripts and datasets



Creating a folder for our project

- ▶ **myProject** folder on Desktop
- ▶ Scripts and datasets
- ▶ Working directory



Summary

- ▶ **How to create, save and run an R script**



Assignment

1. Create a script and save it on Desktop as testscript.R
2. Load myfirstscript.R (created in this tutorial) in testscript.R and run it.



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

- ▶ **The script for this tutorial was contributed by Shaik Sameer (FOSSEE Fellow 2018)**
- ▶ **The video has been created by Sudhakar Kumar, IIT Bombay**

