

More Functions in the dplyr Package

Spoken Tutorial Project

<https://spoken-tutorial.org>

National Mission on Education through ICT

<http://sakshat.ac.in/>

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Learning Objectives

We will learn about:



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We will learn about:

- ▶ **select**



Learning Objectives

We will learn about:

- ▶ **select**
- ▶ **rename**



Learning Objectives

We will learn about:

- ▶ **select**
- ▶ **rename**
- ▶ **mutate**



Pre-requisites



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► Basics of Statistics



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- ▶ Basics of Statistics
- ▶ Basics of **ggplot2** package



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- ▶ Basics of **ggplot2** package
- ▶ Data frames



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- ▶ Basics of Statistics
- ▶ Basics of **ggplot2** package
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Please locate the relevant tutorials on <https://spoken-tutorial.org/>



System Specifications



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- ▶ **Ubuntu Linux OS v 16.04**



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- ▶ **R v 3.4.4**



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- ▶ **RStudio v 1.1.463**



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R version 3.2.0 or higher

Download Files

We will use:



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We will use:

- ▶ A data frame **moviesData.csv**



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We will use:

- ▶ A data frame **moviesData.csv**
- ▶ A script file **myVis.R**



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We will use:

- ▶ A data frame **moviesData.csv**
- ▶ A script file **myVis.R**

Download these files from the **Code files** link of this tutorial



Summary

We have learnt about:

- ▶ **select**
- ▶ **rename**
- ▶ **mutate**



Assignment

1. Use the built-in data set *airquality*. Using **select** function, select the variables *Ozone*, *Wind*, and *Temp* in this data set
2. Use the built-in data set *mtcars*. Rename the variables *mpg* and *cyl* with *MilesPerGallon* and *Cylinder*, respectively



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



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



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- ▶ 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



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

For more details, please visit these sites:

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



Acknowledgements

- ▶ **Spoken Tutorial Project is a part of the Talk to a Teacher project**
- ▶ **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 Varshit Dubey (CoE Pune)
- ▶ The video has been created by Sudhakar Kumar, IIT Bombay

