Conditional Statements

Spoken Tutorial Project
https://spoken-tutorial.org
National Mission on Education through ICT

http://sakshat.ac.in/

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We will learn about:

Learning Objectives

We will learn about:

- **Conditional statements**

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- **Conditional statements**
- **if**, **else** and **else if** statements

Pre-requisites

- **Basic data structures**

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- **Indexing and slicing data frames**

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

System Specifications

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- **R v 3.4.4**
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R version 3.2.0 or higher

We will use:

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- **A data frame moviesData.csv**

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- **A script file conditionalStats.R**

Download Files

We will use:

- A data frame **moviesData.csv**

- A script file **conditionalStats.R**

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

Conditional statements

- **Conditional statements are used to execute some logical conditions in the code**

Conditional statements

- **Conditional statements are used to execute some logical conditions in the code**
- **if, else and else if are the basic conditional statements**

We will add a new column named *dev* in the *movies* data frame, which will show

- **1, if *audience_score* is greater than *critics_score***
- **0, otherwise**

Example

- We will find the number of movies, in which *audience_score* **is greater than** *critics_score*

- For this, we will use the **sum** function along with the **if** condition

Summary

We have learnt about:

- Conditional statements
- if, else, and else if statements

Assignment

1. **Use the built-in data set** *iris*. **Find the** *Species*, **in which** *Sepal.Length* **is greater than** *Petal.Length*
2. **Count all such** *Species*

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- ▶ It summarises the Spoken Tutorial project

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

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- **More information on this Mission is available at:**
  http://spoken-tutorial. org/NMEICT-Intro

Thank You

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- The video has been created by Sudhakar Kumar, IIT Bombay