R Programming Language

R Introduction

- R Reserved Words
- Variables & Constants
- R Operators
- Operator Precedence

Decision and Loop

- R Programming if…else
- R ifelse() Function
- R Programming for loop
- R while Loop
- R break & next
- R repeat Loop

R Functions

- R Functions
- Function Return Value
- Environment & Scope
- R Recursive Function
- R Infix Operator
- R Switch Function

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R Data Structures

- R Vectors
- R Matrix
- List in R programming
- R Data Frame
- R Factor

R Object & Class

- Object and Class
- R S3 Class
- R S4 Class
- R Reference Class
- R Inheritance

Graphs & Charts

- R Bar Plot
- R Histogram
- R Pie Chart
- R Box Plot
- R Strip Chart
- Coloring Plot

More on Plotting in R

- Plot Function
- Subplot
- Saving Plot
- 3D Plot

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Explore Data: Part I

- Explore Data Introduction
- Remove Missing and Invalid Values (NA and NaN)
- Merging Data
- Subset Data
- Sort Data
- Fixing Date and Time Issues

Explore Data: Part II

- Introduction to dplyr
- Install dplyr
- Select Data Using dplyr
- Filter Data Using dplyr
- Arrange & Rename Data
- Merge Data Using dplyr
- Mutate Data Using dplyr
- Mutate Data Using dplyr
- Group Data Using dplyr
- dplyr Pipeline Operator

Visualize Data

- Introduction to Visualizing Data
- Graphs
- Scatter Plot
- Box Plot
- Histogram
- Using GGPlot to Visualize Data

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