

Exploring data using R

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Chapter 1

Introduction to R

1.1 Installing R and RStudio

Install R base package: <http://www.r-project.org/>

Install RStudio: <http://www.rstudio.com/>

1.2 Getting familiar with the interface

Consists of 4 tabs: 1. Source 2. Console 3. Environment & History 4. Misc. Most important Plots, Packages & Help

1.3 Basic tasks in R

1.3.1 R Script

Text here.

1.3.2 Setting working directory

Text here.

1.3.3 Packages

Text here.

1.3.3.1 Installation

```
install.packages("package.name")
```

1.3.3.2 Loading

```
library("package.name")
```

1.3.4 Data management

Text here.

1.3.4.1 Loading data

```
read.csv("file.name")
```

For SPSS file, need `foreign` package

```
library("foreign")  
read.spss("file.name")
```

1.3.4.2 Entering data

1.3.4.3 Editing data

Chapter 2

Textual

2.1 Descriptive statistics

2.2 Tables

Chapter 3

Graphical

Chapter 4

Reporting results