Decision Sciences

Higher Education - Business

# Up and Running with R, R Studio, and Rattle

## Current R and R Studio Users

*NOTE: If you already have R and R Studio installed, it is recommended that those be updated to the latest version before installing Rattle. It is also recommended that all installed packages be updated before installing Rattle using the Packages tab in R Studio.*

Graphical user interface

Description automatically generated

## Overview

Three are three installation steps and they should be done in the order shown:

1. Install R
2. Install R Studio
3. Install Rattle inside R Studio and the RGtk2 Toolkit

## Install R

Go to <https://cloud.r-project.org/> and download the version of R for your operating system.

Graphical user interface, text, application

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## Install R Studio

Go to <https://www.rstudio.com/products/rstudio/download/#download> and download the version of R Studio that matches your operating system.

Graphical user interface

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## Install the Rattle graphical user interface (GUI) that runs on top of R / R Studio.

A comprehensive installation guide can be found at <https://rattle.togaware.com/> but this document will outline the basic steps.

Open R Studio and in the Console type install.packages("rattle")then press Enter.

Graphical user interface, text, application, email

Description automatically generated

You may see R Studio installing other packages that are dependencies for Rattle.

Next, install the RGtk2 Toolkit that powers the GUI of Rattle. The only recommended location to obtain the current version of RGtk2 is at <https://rattle.togaware.com/> .

Copy the appropriate command for your operating system, paste the command into the R Studio Console, and press Enter. Disregard the WARNING for R Tools.

Graphical user interface, text, application, email

Description automatically generated

Chart

Description automatically generated with medium confidence

Next, Restart R in R Studio by going to Session -> Restart R.

## Running Rattle

In the R Studio Console, type:

library(rattle) and then press Enter to load Rattle into your R session

Then type:

rattle() and then press Enter to start Rattle.

Chart, scatter chart

Description automatically generated with medium confidence

If the following dialog box opens, select Install GTK+ and click OK.

Graphical user interface, text, application, chat or text message

Description automatically generated

R Studio will obtain a few files and then Rattle will open.

If you get the following dialog box, click Yes.

Graphical user interface, text, application

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Finally, Rattle is ready to use.

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## Maintaining R, R Studio, and Rattle

R, R Studio, and Rattle are third-party applications that are not created nor maintained by Cengage. For users who want to use R but not program, Rattle provides an easy-to-use GUI. Unfortunately, “easy-to-install and maintain” may be challenging as it is highly intertwined with a spectrum of R software library dependencies and RGtk2 is a notorious culprit any time there is new versioning.

Therefore, if any issues arise, it is best to follow this guide for installing / updating all three components: R, R Studio, and Rattle including packages inside R Studio.