

R Markdown

from R Studio

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R - 3.4.1.

The Comprehensive R Archive Network (CRAN)

Download and Install R: <https://cran.rstudio.com/>



R Studio 1.0.153

Download RStudio Desktop Open Source License :

<https://www.rstudio.com/products/rstudio/download/#download>

RStudio Tutorial: <https://www.rstudio.com/online-learning/>



R Markdown Installation

Get started: <http://rmarkdown.rstudio.com/>

```
#install.packages("rmarkdown")  
#install.packages("rmarkdown", repos = "http://cran.us.r-project.org")
```

Markdown Tutorial: <http://rmarkdown.rstudio.com/lesson-1.html>

Markdown Wiki: <https://github.com/gnab/remark/wiki/Markdown>

R Markdown Overview

Use a single Markdown file to both (1) save and execute code & (2) generate reports that can be shared

Free and open source

Three types of content:

An (optional) YAML header

R code chunks

text mixed with simple text formatting

RMarkdown Cheat Sheet: <https://www.rstudio.com/wp-content/uploads/2016/03/rmarkdown-cheatsheet-2.0.pdf>

More Info: <http://rmarkdown.rstudio.com/lesson-2.html>

Useful Packages

papaja (APA Journal Articles)

xaringan (Presentation Slides)

Shiny (Interactive Web Apps)

papaja (Preparing APA Journal Articles) Package

papaja github: <https://github.com/crsh/papaja>

Download **papaja-master.zip**

Go to **example** folder >> Open **example.Rmd**

Troubleshoot:

```
#install.packages("testthat")  
#install.packages("testthat", repos = "http://cran.us.r-project.org",
```

papaja manual: https://crsh.github.io/papaja_man/index.html

Exporting to word: **output : papaja::apa6_word**

Exporting to pdf: **papaja::apa6_pdf**

xaringan Package

xaringan github: <https://github.com/yihui/xaringan>

Go to **inst** folder >> **rm4arkdown/templates** >>
xaringan >> **skeleton** >> **skeleton.Rmd**

Koeun will send the **skeleton.Rmd** file

xaringan wiki: <https://github.com/yihui/xaringan/wiki>

xaringan manual: <https://cran.r-project.org/web/packages/xaringan/xaringan.pdf>

Shiny Package

Build interactive web apps straight from R

Video Tutorials: <https://shiny.rstudio.com/tutorial/>

```
system("phantomjs dectape.js slides.html slides.pdf")
```