

# RMarkdown

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# What is R Markdown?

**Markdown** = Language for text formatting

- ▶ Markdown
- ▶ an easy to write plain text format for creating dynamic documents and reports
- ▶ contains “normal” text and code chunks (e.g. R, but Python, SQL, and more also possible)
- ▶ RMD -> MD -> html, Docx or PDF
- ▶ Formatting documents outside the analysis

**Creating a document that can contain both text and code:**

- ▶ When creating (“knitting”), the code is executed and displayed together with the description.
- ▶ Only a document without warnings/errors can be knitted.
- ▶ Possible to export a Word, HTML or PDF file.

# Approach

1. Open RStudio -> File -> New File -> R Markdown
2. Enter a title for the document (optionally enter an author)
3. Choose an output format
4. YAML Headline: Final choice of your output format
5. Write the markdown
6. Embed Code
7. Rendering Output
  - ▶ RStudio: “Knit” (Ctrl+Shift+K)
  - ▶ Command line: `rmarkdown:: render(“input.Rmd”)`

# Installation

- ▶ Before you start, make sure you have installed the rmarkdown package

```
install.package("rmarkdown")
```