

Reproducible Research (6)

RMarkdown and writing

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Research stages

- Experimental design and conduction
- Data analysis and interpretation
- Writing reports and manuscripts

Seamless integration

- use reusable code snippets
 - functional programs
- combine RMarkdown

- functional programs
- code snippets in RMarkdown
- Insert graphs

This week

- APA or journal article templates
- insert tables
- insert citations

- 'rticles' package

```
devtools::install_github("rstudio/rticles")
```

- 'papaja' package

```
devtools::install_github("crsh/papaja")
```

After your install, select 'New RMarkdown' - 'from template'

Note: These two packages are mainly for rendering pdfs.

RStudio doesn't provide good support for citations. There are three solutions:

1. Convert markdown text to word, and using word citation managers (e.g., Endnote, Mendeley)
2. Using other text editor that support latex citations (e.g., Atom with autocomplete-bibtex)
3. Copy Mendeley latex citation and insert

Combine multiple rmd files

In certain situations, you want to combine multiple rmarkdown files together (e.g., writing your thesis, split paper into multiple parts). You can use 'child' option in r snippet.

```
{r child='subfile.rmd'}
```