Untitled

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Introduction

- PDF output requires a working LaTeX installation on your computer. The easiest way to do this installation is by installing `tinytex`.

```
install.packages('tinytex')
tinytex::install_tinytex()  # install TinyTeX
```

- By selecting PDF as output, R Markdown documents will be converted trough LaTeX, a special type setting engine. This makes the output very flexible. Flexibility comes with a price, complexity.
- The PDF output should be considered when you want a nice format that is easy to read.
- Similar to other outputs you can add components such as figures(Wickham 2016), tables and citations with a high degree of customization.

Table of content, list of table and figures

- By adding `toc: true`, `lot: true` and `lof: true` to the YAML you will get a table of content and list of tables and figures.

A subheading

- Using subheadings will produce hierarchy in your `toc`

References

Sometimes you might want to add references in the middle of the document, this is supported in all outputs by specifying `<div id="refs"> </div>`

Wickham, Hadley. 2016. *Ggplot2 : Elegant Graphics for Data Analysis*. 2nd ed. Use r!,. Cham: Springer International Publishing : Imprint: Springer,. https://doi.org/10.1007/978-3-319-24277-4.

Figures and tables after references

Table 1: Participant characteristics

Sex	Age [Mean (SD)]
female	22.2 (1.3)
male	23.7 (3.8)

Possible issues with R Markdown and PDF outputs

- To much content may over-flow your pages, if your figures are too big etc. May need customization
- The LaTeX engine wont work with special characters. Switching to another LaTeX engine might help:

```
output:
  pdf_document:
    latex_engine: xelatex
```

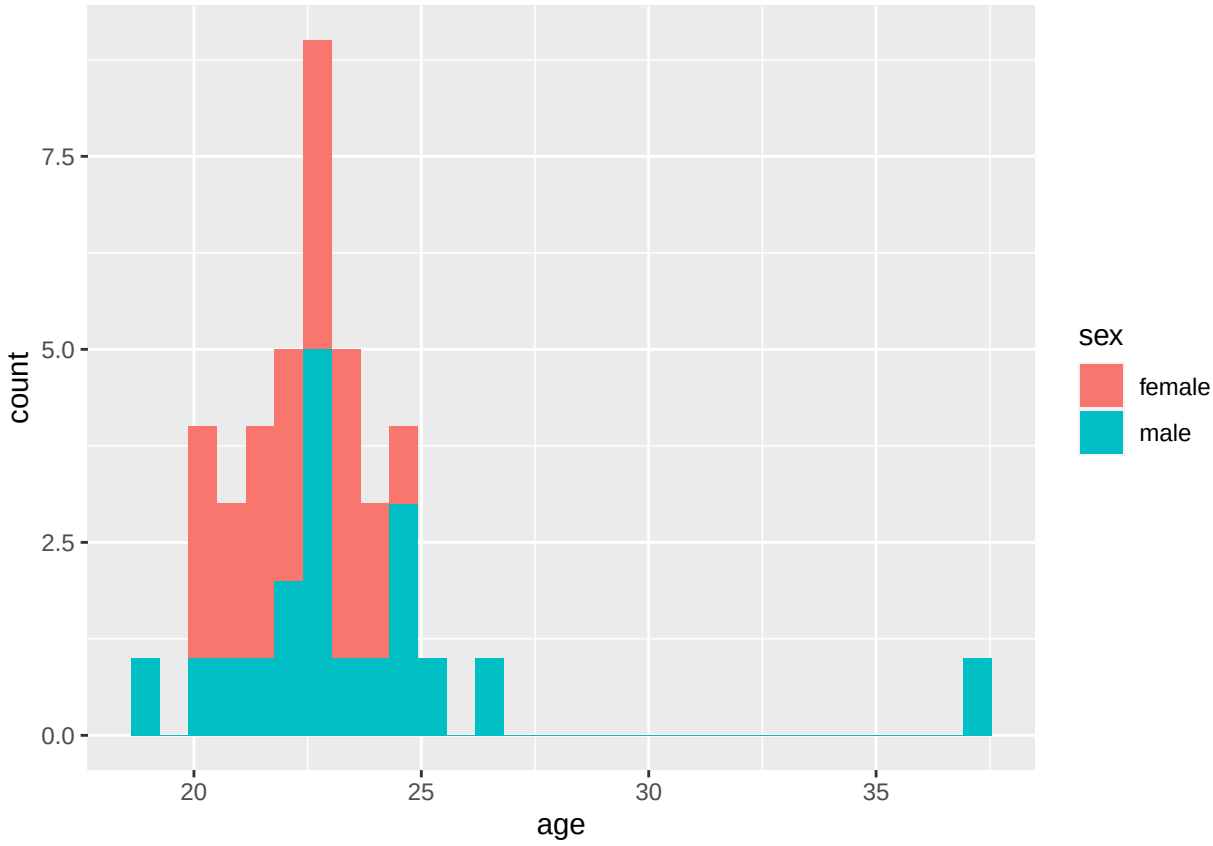

Figure 1: An example figure