



# VIGNETTE FOR PACKAGE YART

AT LEAST IT PRETENDS TO

Seminar: Solutions to All and Nothing  
Sophism

**Sebastian Sauer**

My Immatriculation ID: 12345679

My Road 1, 12345 Somesmalltown

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Referee: Prof. Dr. I. Weiss-Ois

## **Zusammenfassung**

Yart provides an RMarkdown template for rendering TeX based PDFs. It provides a format suitable for academic settings. The typical RMarkdown variables may be used. In addition, some variables useful for academic reports have been added such as name of referee, due date, course title, field of study, address of author, and logo, and a few more maybe. Adjust those variables to your need. Note that citations, figure/table referencing is possible due to the underlying pandoc magic.

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# 1 Section Header 1

Please see the documentation of [RMarkdown](#) for more details on how to write RMarkdown documents.

## 1.1 Section Header 2

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Nullam eget dapibus quam, sit amet sagittis magna. Nam tincidunt, orci ac imperdiet ultricies, neque metus ultrices quam, id gravida augue lacus ac leo.

Vestibulum id sodales lectus, sed scelerisque quam. Nullam auctor mi et feugiat commodo. Duis interdum imperdiet nulla, vitae bibendum eros placerat non. Cras ornare, risus in faucibus malesuada, libero sem fringilla quam, ut luctus enim sapien eget dolor.

- bullet lists are possible
- $\text{\LaTeX}$  is being supported.  $\text{\LaTeX}$  code can be intermingled.

- Math can be included:  $e^{\ln(e)} = e$  (is that correct??).
- See [here](#) for an overview on the pandoc's markdown syntax.
- Ein paar Gimmicks: H<sub>2</sub>O, This ~~is deleted text~~, *feasible*, not *feasable*, lang—ganz lang.
- Use `\ts` as a shorthand for `\thinspace` to get „z.B.“ instead of „z. B.“ (thin space between the two letters)
- Footnotes are supported<sup>1</sup>.
- Zitationen sind möglich, im beliebigen Format, z.B. APA6. Das Format wird über die Variable `cls` definiert (im Kopfteil oben). Die entsprechende Datei muss im gleichen Ordner liegen wie diese Rmd-Datei. Die Datei mit den bibliographischen Informationen wird über die Variable `bibliography` angegeben. Auch diese Datei muss sich im gleichen Ordner befinden wie diese Rmd-Datei.
- Besonders schön ist es, dass man [R](#) direkt einbinden kann über [knitr](#). [Hier](#) findet sich eine gute Anleitung.

We report how we determined our sample size, all data exclusions (if any), all manipulations, and all measures in the study.

## 2 R-Code

Add R code to your document:

---

<sup>1</sup>Fußnoten sind bei Pandoc eine Art von Links.

```
x <- c(1,2,3)
mean(x)
```

```
# [1] 2
```

### 3 Tables

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Aenean commodo ligula eget dolor. Aenean massa. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Donec quam felis, ultricies nec, pellentesque eu, pretium quis, sem. Nulla consequat massa quis enim. Donec pede justo, fringilla vel, aliquet nec, vulputate eget, arcu. In enim justo, rhoncus ut, imperdiet a, venenatis vitae, justo. Nullam dictum felis eu pede mollis pretium. Integer tincidunt. Cras dapibus. Vivamus elementum semper nisi. Aenean vulputate eleifend tellus. Aenean leo ligula, porttitor eu, consequat vitae, eleifend ac, enim. Aliquam lorem ante, dapibus in, viverra quis, feugiat a, tellus. Phasellus viverra nulla ut metus varius laoreet.

So erstellt man „von Hand“ eine Tabelle in Markdown

Tabelle 1: Table caption

Right	Left	Center	Default
12	12	12	12
123	123	123	123
1	1	1	1

There are comfortable and powerful R packages available for rendering markdown tables such as Huxtable, or xtable, and other.

Table with R package `xtable`; note that this package needs to be installed to run this example.

```
data(mtcars)

library(xtable)
print.xtable(
  xtable(head(daten),
    label="tab:daten",
    caption="Datenstruktur für eine within-Analyse"),
  comment=FALSE)
```

## 4 Citation

Put the file with the references in the same folder as the rmd-file. Uncomment/insert a line in the yaml header such as `bibliography: bib.bib`, where `bib.bib` is the name of your bib-file. Similarly, if you want to format the citation in a certain style, put the respective csl-file in the same folder as this document and uncomment/insert this line in the yaml header: `csl: apa6.csl`, where `apa6.csl` is the style file.

Let's cite something `[@Roberts2007]`.

Use this format for citation: „`[@bibtexkey]`“.



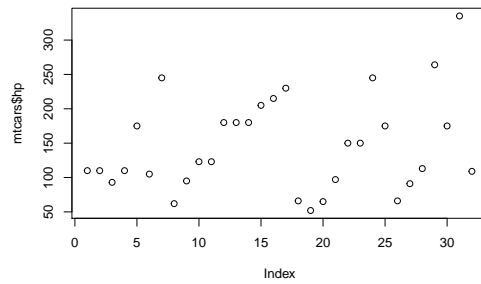


Abbildung 1: Example of a figure

## 5 Figures

Use knit to insert images. Figures can be referenced, cf. Figure [1](#). Alternatively, use R code to plot figures.

```
#knitr::include_graphics("../docs/picture2.png")  
plot(mtcars$hp)
```

#Literatur

(If some literature is cited, it appears here)