

Personal Cheat Sheet

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Intro

This is a basis for your personal R “Cheat Sheet”. In the course of the semester (and beyond that) you can add all commands and “hacks” you perceive as being beneficial for you. You can just copy-paste them from the course material. In that way you can build up your personal R repertoire. (And additionally, it can serve as basis for your report) Cool, isn’t it? :)

Examples for formatting

Bullet points

- one
 - two
 - three
-
1. blue
 2. green
 3. yellow

Text

- **bold**
- *italics*

Boxes

Here is how you can include boxes. You can customize the them in the css-file “boxes.css”.

Just move this code outside the chunk into the document. This doesn’t work for PDFs though! Instead, you can use commands specified in the header (they won’t be displayed in html documents though).

This looks like a sticky note.

Linebreak & new page

`
` inserts a line break:

`\newpage` starts a new page:

R Code

Chunks

This code will be displayed but not evaluated (executed)...

```
head(iris)
```

... while this one will also be executed.

```
head(iris)
```

```
##   Sepal.Length Sepal.Width Petal.Length Petal.Width Species
## 1         5.1         3.5         1.4         0.2   setosa
## 2         4.9         3.0         1.4         0.2   setosa
## 3         4.7         3.2         1.3         0.2   setosa
## 4         4.6         3.1         1.5         0.2   setosa
## 5         5.0         3.6         1.4         0.2   setosa
## 6         5.4         3.9         1.7         0.4   setosa
```

There are many more so-called “chunk” options (e.g. `echo`, `fig.width` etc.)

Inline-Code

You can also include results from calculations directly in your text.

```
library(apa)
tTest <- t_test(iris$Sepal.Length[iris$Species=="setosa"],
               iris$Sepal.Length[iris$Species=="versicolor"])
```

A simple calculation: 3000

Nicely formatted results of a t-test according to the guidelines of the American Psychological Association:
 $t(86.54) = -10.52, p < .001, d = -2.10$