Summer School – day two

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1 aha

Look at Figure 1, it shows the output of a magic function.

```r
library(TestPackage)
a <- add_2(seq(1:10))
plot(a)
```

Adding 2 to 4 we get 6.

```r
knitr::kable(head(cars),
             caption = "A table of the cars package"
             )
```

Look at the table 1.

Thanks to Xie (2016), Allaire et al. (2017), Xie (2014)

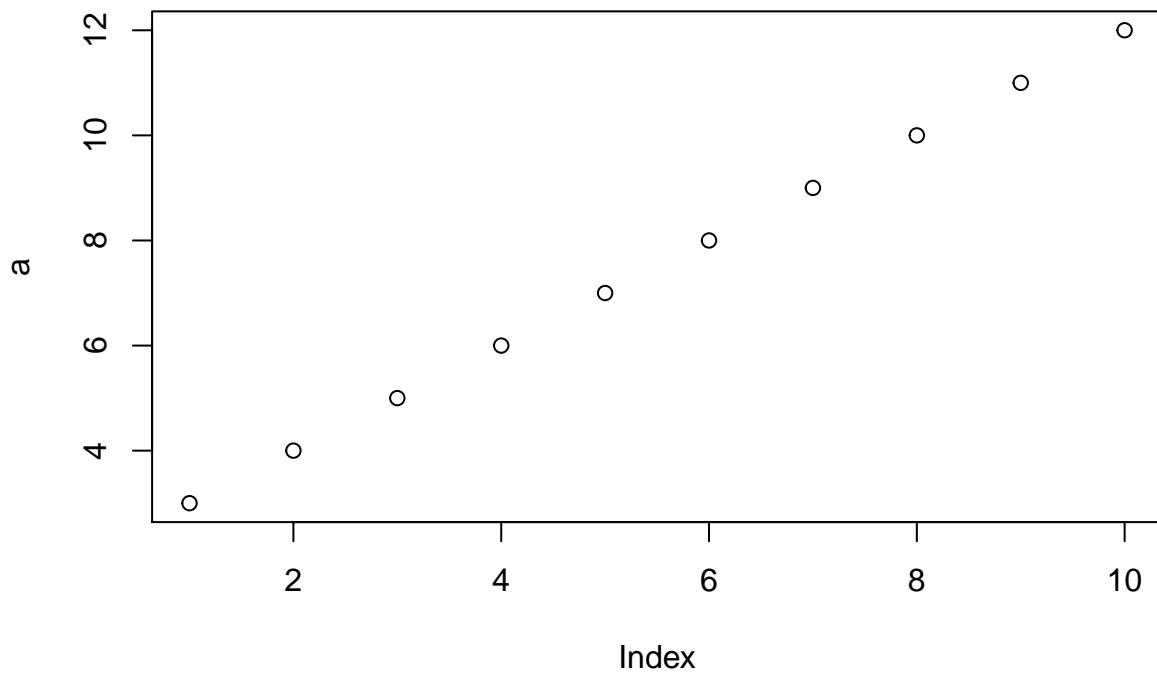Xie knows what he (?) is doing (2014).

Figure 1: add two

Table 1: A table of the cars package

speed	dist
4	2
4	10
7	4
7	22
8	16
9	10

```
add_3(5)
```

[1] 8

2 Caching Tests

```
library(tidyverse)
x <- rnorm(1e6) - 5e3
knitr::kable(head(x))
```

3 second column

```
selsecond(mtcars)
```

```
##                     cyl
## Mazda RX4             6
## Mazda RX4 Wag         6
## Datsun 710            4
## Hornet 4 Drive        6
## Hornet Sportabout     8
## Valiant               6
## Duster 360            8
## Merc 240D             4
## Merc 230              4
## Merc 280              6
## Merc 280C             6
## Merc 450SE            8
## Merc 450SL            8
## Merc 450SLC           8
## Cadillac Fleetwood    8
## Lincoln Continental   8
## Chrysler Imperial     8
## Fiat 128              4
## Honda Civic           4
## Toyota Corolla        4
## Toyota Corona         4
## Dodge Challenger      8
## AMC Javelin           8
## Camaro Z28            8
## Pontiac Firebird      8
## Fiat X1-9             4
## Porsche 914-2         4
## Lotus Europa          4
## Ford Pantera L        8
## Ferrari Dino          6
## Maserati Bora         8
## Volvo 142E            4
```

References

Allaire, JJ, Joe Cheng, Yihui Xie, Jonathan McPherson, Winston Chang, Jeff Allen, Hadley Wickham, Aron Atkins, Rob Hyndman, and Ruben Arslan. 2017. *Rmarkdown: Dynamic Documents for R.* https://CRAN.R-project.org/package=rmarkdown.

Xie, Yihui. 2014. "Knitr: A Comprehensive Tool for Reproducible Research in R." In *Implementing Reproducible Computational Research*, edited by Victoria Stodden, Friedrich Leisch, and Roger D. Peng. Chapman; Hall/CRC. http://www.crcpress.com/product/isbn/9781466561595.

———. 2016. *Bookdown: Authoring Books and Technical Documents with R Markdown.* Boca Raton, Florida: Chapman; Hall/CRC. https://github.com/rstudio/bookdown.