

An Introduction to knitr

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The **knitr** package (Xie, 2012) is an alternative tool to Sweave based on a different design with more features. This document is not the real vignette, but only serves as a placeholder to guide you to the real manuals of this package. You can find them in the package website: [`http://yihui.name/knitr`](http://yihui.name/knitr)¹, and remember to read the help pages of functions in this package.

Anyway, here is a code chunk that shows you can compile vignettes with **knitr** as well by using a proper Makefile (see [`http://yihui.name/knitr/demo/vignette/`](http://yihui.name/knitr/demo/vignette/)):

```
rnorm(5)

## [1] 0.5679 0.4566 -1.0794 0.9112 -1.2798

df = data.frame(y = rnorm(100), x = 1:100)
summary(lm(y ~ x, data = df))

##
## Call:
## lm(formula = y ~ x, data = df)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -2.8620 -0.6495 -0.0367  0.7062  3.0922
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -0.25394    0.21793   -1.17    0.25
## x            0.00516    0.00375    1.38    0.17
##
## Residual standard error: 1.08 on 98 degrees of freedom
## Multiple R-squared: 0.019, Adjusted R-squared: 0.00894
## F-statistic: 1.89 on 1 and 98 DF,  p-value: 0.172
##
```

References

Xie Y (2012). *knitr: A general-purpose package for dynamic report generation in R*. R package version 0.6, URL [`http://yihui.name/knitr/`](http://yihui.name/knitr/).

¹e.g. the main manual: [`https://github.com/downloads/yihui/knitr/knitr-manual.pdf`](https://github.com/downloads/yihui/knitr/knitr-manual.pdf) and the graphics manual: [`https://github.com/downloads/yihui/knitr/knitr-graphics.pdf`](https://github.com/downloads/yihui/knitr/knitr-graphics.pdf)