

# An Introduction to knitr

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The **knitr** package (Xie, 2013) 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><sup>1</sup>, 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/>):

```
rnorm(5)

## [1] -0.4344  0.4110  0.4435 -0.8299 -0.3143

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
## -2.612  -0.848   0.128   0.773   2.971
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.24606    0.21815    1.13   0.26
## x           -0.00416    0.00375   -1.11   0.27
##
## Residual standard error: 1.08 on 98 degrees of freedom
## Multiple R-squared:  0.0124, Adjusted R-squared:  0.00229
## F-statistic: 1.23 on 1 and 98 DF,  p-value: 0.271
```

## References

Xie Y (2013). *knitr: A general-purpose package for dynamic report generation in R*. R package version 1.0, URL <http://yihui.name/knitr/>.

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<sup>1</sup>e.g. the main manual: <https://bitbucket.org/stat/knitr/downloads/knitr-manual.pdf> and the graphics manual: <https://bitbucket.org/stat/knitr/downloads/knitr-graphics.pdf>