

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>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/>):

```
rnorm(5)

## [1] 0.4644 1.4817 0.5521 0.3134 -0.4423

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
## -2.0461 -0.5210 -0.0426  0.3966  2.1868
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) 0.019881   0.180474   0.11    0.91
## x           0.000214   0.003103   0.07    0.95
##
## Residual standard error: 0.896 on 98 degrees of freedom
## Multiple R-squared:  4.83e-05, Adjusted R-squared:  -0.0102
## F-statistic: 0.00474 on 1 and 98 DF,  p-value: 0.945
```

References

Xie Y (2013). *knitr: A general-purpose package for dynamic report generation in R*. R package version 1.2, URL <http://yihui.name/knitr/>.

¹e.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>