

An Introduction to knitr

Yihui Xie

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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] -0.2318  1.1303 -1.2464  0.7218  0.3174

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
## -2.7908 -0.6679  0.0888  0.6943  2.4802
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.22034    0.21583   1.02   0.310
## x           -0.00655    0.00371  -1.76   0.081 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 1.07 on 98 degrees of freedom
## Multiple R-squared:  0.0308, Adjusted R-squared:  0.0209
## F-statistic: 3.11 on 1 and 98 DF,  p-value: 0.0808
```

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/>.

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>