

# An Introduction to knitr

Yihui Xie

May 23, 2013

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] 0.6795 -0.6240 0.5502 0.4664 1.5523

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
## -2.5504 -0.5937 -0.0018  0.5797  2.1547
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept) -0.01488    0.19486   -0.08    0.94
## x            0.00142    0.00335    0.42    0.67
##
## Residual standard error: 0.967 on 98 degrees of freedom
## Multiple R-squared:  0.00183, Adjusted R-squared:  -0.00836
## F-statistic: 0.18 on 1 and 98 DF,  p-value: 0.673
```

## 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/>.

---

<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>