

# An Introduction to knitr

Yihui Xie

April 29, 2012

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>, 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] 0.83211 -0.58260 0.53543 -1.88831 0.05311

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
## -1.9227 -0.7088 -0.0335  0.5900  2.6727
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.14818    0.19680   0.75    0.45
## x           -0.00120    0.00338  -0.35    0.72
##
## Residual standard error: 0.977 on 98 degrees of freedom
## Multiple R-squared: 0.00128, Adjusted R-squared: -0.00891
## F-statistic: 0.125 on 1 and 98 DF,  p-value: 0.724
##
```

## References

Xie Y (2012). *knitr: A general-purpose package for dynamic report generation in R*. R package version 0.5, URL <http://yihui.name/knitr/>.