

# An Introduction to knitr

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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] 1.47725 -0.07630 -0.13460 0.05474 -0.95309

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
## -2.215 -0.597  0.026  0.565  2.500
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.05773    0.19091   0.30    0.76
## x           -0.00091    0.00328  -0.28    0.78
##
## Residual standard error: 0.947 on 98 degrees of freedom
## Multiple R-squared:  0.000783, Adjusted R-squared: -0.00941
## F-statistic: 0.0768 on 1 and 98 DF,  p-value: 0.782
##
```

## References

Xie Y (2012). *knitr: A general-purpose package for dynamic report generation in R*. R package version 0.4, URL <http://yihui.name/knitr/>.