

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/knitr¹>, 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] -0.1531 -1.1669 -0.4624 -0.4095  0.6029

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
## -2.4043 -0.6254 -0.0569  0.7414  2.0597
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.026383   0.206676   0.13    0.9
## x           -0.000894   0.003553  -0.25    0.8
##
## Residual standard error: 1.03 on 98 degrees of freedom
## Multiple R-squared:  0.000646, Adjusted R-squared: -0.00955
## F-statistic: 0.0634 on 1 and 98 DF,  p-value: 0.802
```

References

Xie Y (2012). *knitr: A general-purpose package for dynamic report generation in R*. R package version 0.9, URL <http://yihui.name/knitr/>.

¹e.g. the main manual: <https://github.com/downloads/yihui/knitr/knitr-manual.pdf> and the graphics manual: <https://github.com/downloads/yihui/knitr/knitr-graphics.pdf>