

An Introduction to knitr

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February 8, 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>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]  0.2183389 -1.4562628 -1.5148194 -1.6303556 -1.6107365

> 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
-2.75154 -0.69133  0.01855  0.62833  3.10141

Coefficients:
            Estimate Std. Error t value Pr(>|t|)
(Intercept) -0.0002154  0.1981870  -0.001    0.999
x             0.0013644  0.0034072   0.400    0.690

Residual standard error: 0.9835 on 98 degrees of freedom
Multiple R-squared:  0.001634,    Adjusted R-squared:  -0.008554
F-statistic: 0.1604 on 1 and 98 DF,  p-value: 0.6897
```

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>