An Introduction to knitr

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July 16, 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`[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/`):

```r
rnorm(5)
```

```
## [1] -0.8847 -0.9946 -0.0921  1.5903 -0.4141
```

```r
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
## -2.9493 -0.5677 -0.0226  0.7854  2.3233
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)
## (Intercept) -0.18480    0.21220   -0.87     0.39
## x            0.00274    0.00365    0.75     0.45
##
## Residual standard error: 1.05 on 98 degrees of freedom
## Multiple R-squared: 0.00571,Adjusted R-squared: -0.00444
## F-statistic: 0.563 on 1 and 98 DF,  p-value: 0.455
##
```

References

Xie Y (2012). *knitr: A general-purpose package for dynamic report generation in R*. R package version 0.7, URL `http://yihui.name/knitr/`.

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[1]e.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`