An Introduction to knitr

Yihui Xie

April 11, 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/`):

```r
rnorm(5)
```

```
## [1]  1.29580 -0.92160  1.70913 -0.57790  0.04043
```

```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
## -3.197 -0.526  0.074  0.716  2.117
##
## Coefficients:
##             Estimate Std. Error t value Pr(>|t|)
## (Intercept) -0.23256    0.20090   -1.16     0.25
## x            0.00448    0.00345    1.30     0.20
##
## Residual standard error: 0.997 on 98 degrees of freedom
## Multiple R-squared:  0.0169,Adjusted R-squared:  0.00684
## F-statistic: 1.68 on 1 and 98 DF,  p-value: 0.198
```

References

Xie Y (2013). *knitr: A general-purpose package for dynamic report generation in R*. R package version 1.2, URL `http://yihui.name/knitr/`.

---

[1]e.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`