Using knitr with LyX

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January 9, 2013

The R (http://www.r-project.org) package knitr is an alternative tool to Sweave based on a different design with more features. LyX has native support to Sweave since version 2.0.0, and the support to knitr was also added since 2.0.3. The usage is basically the same as the Sweave module:

1. Open a new LyX document;
2. Go to Document ▶ Settings ▶ Modules and insert the module named Rd (knitr);
3. Then insert R code in the document with either Insert ▶ TeX Code or the Chunk environment;

The package website http://yihui.name/knitr/ has full documentation and demos of knitr; many of the examples have links to the LyX source documents.

Note the knitr package requires R &gt;= 2.14.1, so you need to update R if you are using an old version of R. Here we show one chunk as a simple example:

```
rnorm(5)
## [1]  0.1212  0.9369 -1.1173 -1.0289  1.0336
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
##-3.1190 -0.6713 -0.0919  0.7928  2.4972
## Coefficients:
##             Estimate Std. Error t value Pr(&gt;|t|)
## (Intercept) -0.10800   0.21625  -0.50   0.62
## x            0.00385   0.00372   1.04   0.30
## Residual standard error: 1.07 on 98 degrees of freedom
## Multiple R-squared:  0.0108, Adjusted R-squared:  0.000734
## F-statistic: 1.07 on 1 and 98 DF,  p-value: 0.303
```

Please contact the package author in case of any problems.

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1 read the LyX/Sweave manual from Help ▶ Specific Manuals