Using knitr with LyX

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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]:

1. Open a new LyX document;
2. Go to Document ▷ Settings ▷ Modules and insert the module named Rnw (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 >= 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:

```
x=c(2,4,5)
y=c(1,4,7)
plot(y,x)
```

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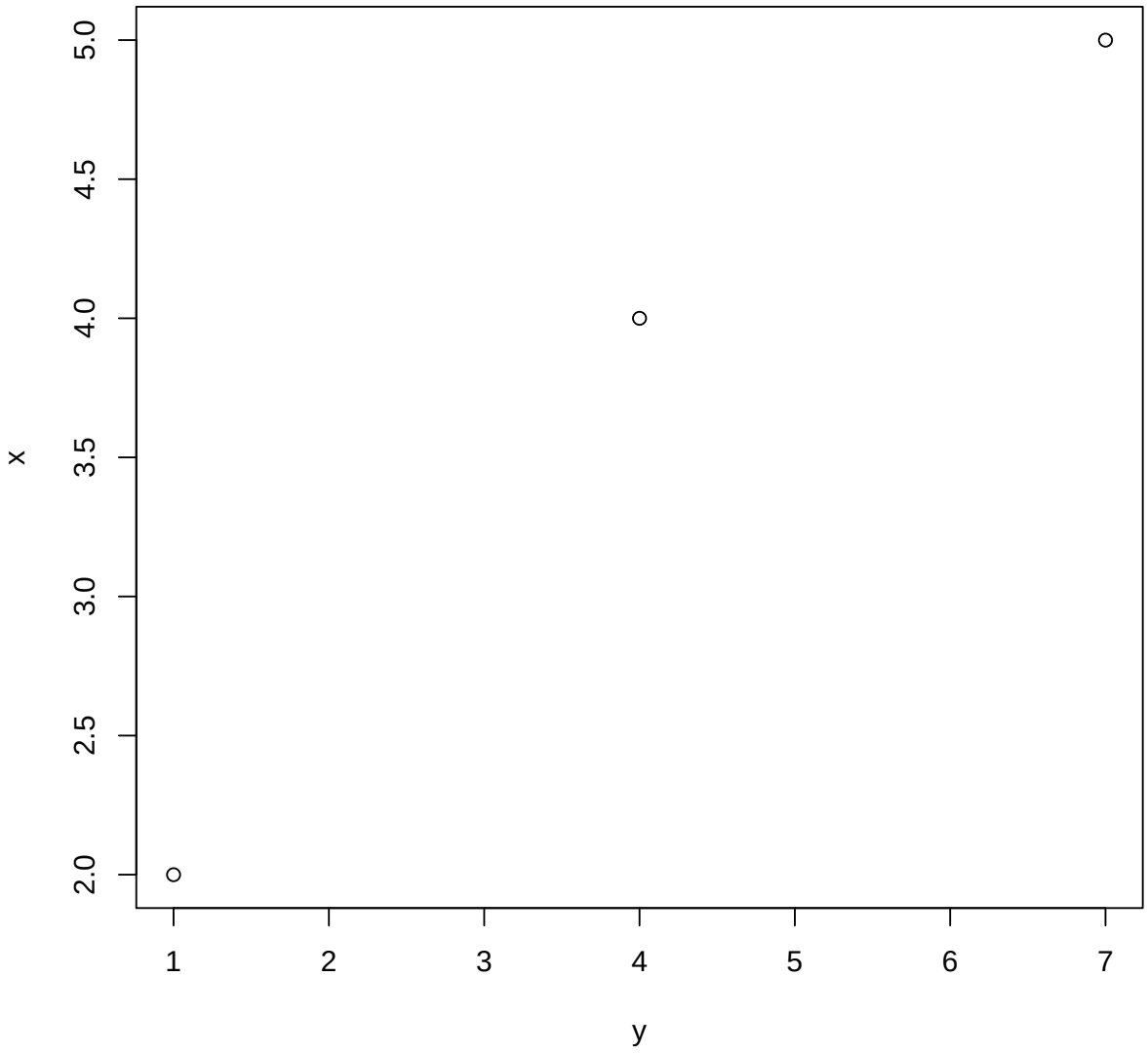
[1] read the LyX/Sweave manual from Help ▷ Specific Manuals




```r
rnorm(5)

## [1]  1.2400877 -0.8799264 -0.9539433  0.1178208 -0.9684936

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
## -2.4769 -0.6726  0.1099  0.5800  2.3134
```

```
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)  0.178249   0.195675   0.911   0.3646
## x           -0.006275   0.003364  -1.865   0.0651 .
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.971 on 98 degrees of freedom
## Multiple R-squared:  0.03428,Adjusted R-squared:  0.02443
## F-statistic: 3.479 on 1 and 98 DF,  p-value: 0.06514
```

Please contact the package author in case of any problems. ***Min. :10.40***
Prueba 2

```
x=c(2,2,3,4,4,5)
mean(x)

## [1] 3.333333
```