

This is a special R script which can be used to generate a report. You can write normal text in roxygen comments.

First we set up some options (you do not have to do this):

The report begins here.

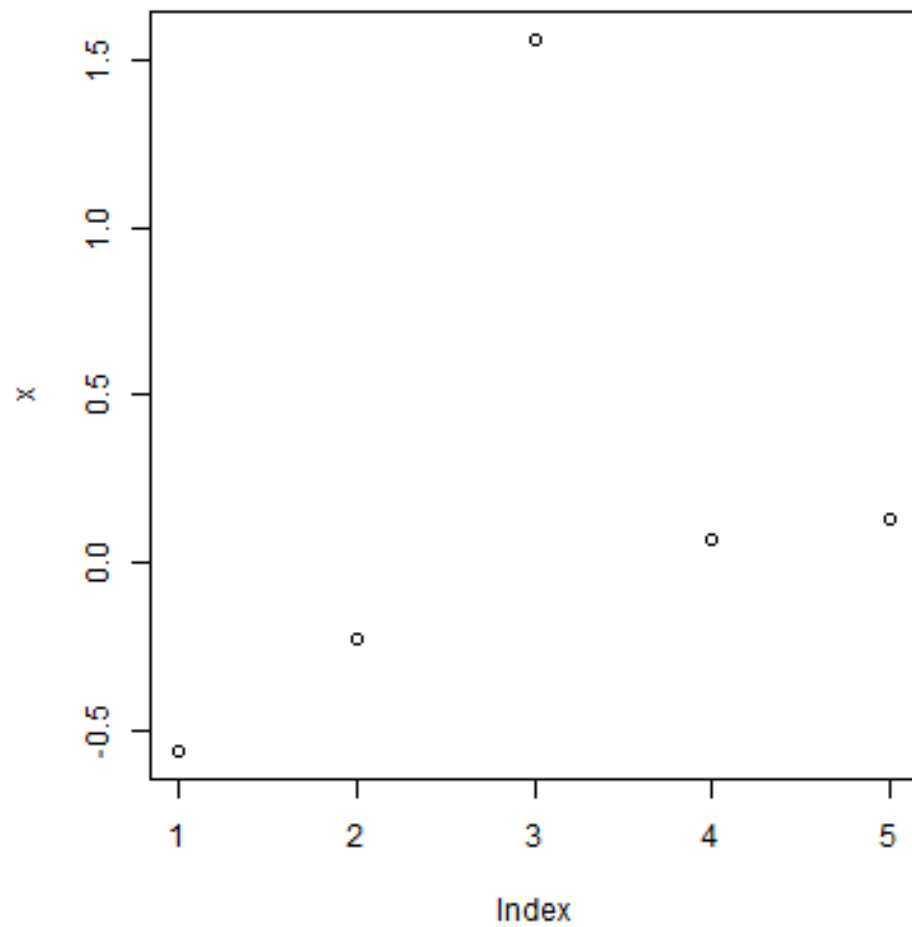
```
# boring examples as usual
set.seed(123)
x = rnorm(5)
mean(x)

## [1] 0.1935703
```

You can use the special syntax code to embed inline expressions, e.g. 2.1935703 is the mean of x plus 2. The code itself may contain braces, but these are not checked. Thus, perfectly valid (though very strange) R code such as ‘2 + 3 - 4 - 5’ can lead to errors because ‘2 + 3 - 4 - 5’ will be treated as inline code.

Now we continue writing the report. We can draw plots as well.

```
par(mar = c(4, 4, .1, .1)); plot(x)
```



Actually you do not have to write chunk options, in which case knitr will use default options. For example, the code below has no options attached:

```
var(x)
## [1] 0.6577564

quantile(x)
##           0%          25%          50%          75%         100%
## -0.56047565 -0.23017749  0.07050839  0.12928774  1.55870831
```

And you can also write two chunks successively like this:

```
sum(x^2) # chi-square distribution with df 5
## [1] 2.818373
```

```
sum((x - mean(x))^2) # df is 4 now  
## [1] 2.631026
```

Done. Call `spin('knitr-spin.R')` to make silk from sow's ear now and knit a lovely purse.