

# 1-call external R scripts

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```
knitr::read_chunk('1-foo.R')
```

The following two chunks are from the external R script 113-foo.R:

```
1 + 1
```

```
## [1] 2
```

```
x = rnorm(10)
```

```
mean(x)
```

```
## [1] -0.01738678
```

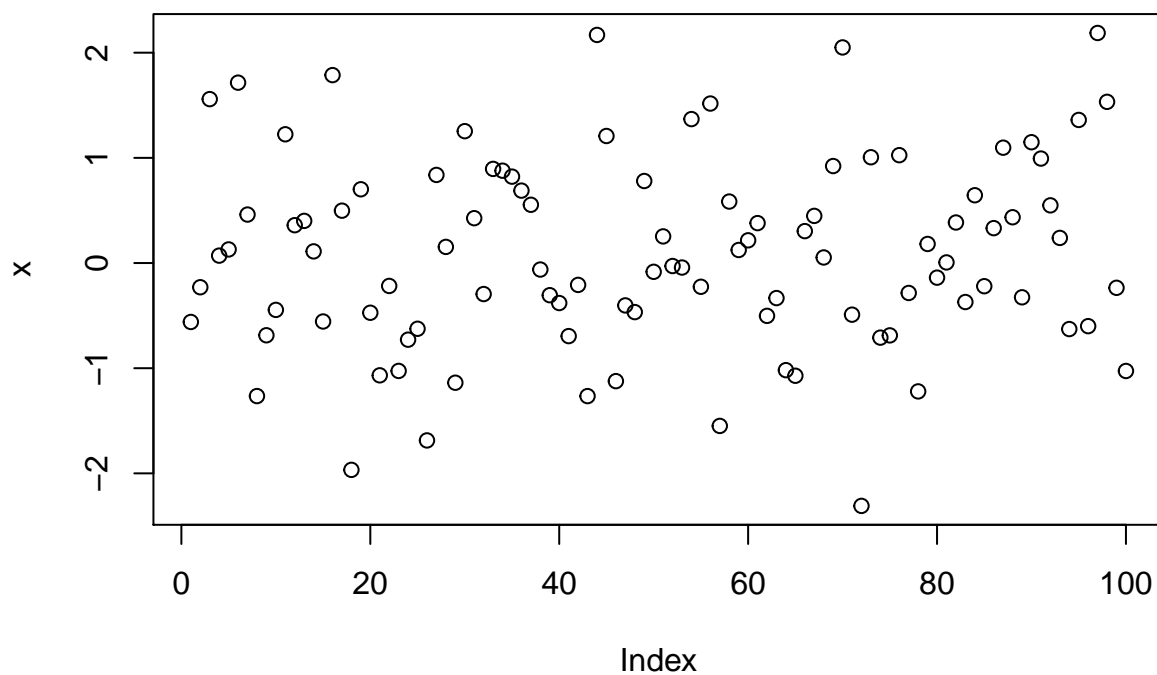
```
sd(x)
```

```
## [1] 1.077582
```

```
set.seed(123)
```

```
x <- rnorm(100)
```

```
plot(x)
```



```
data(iris)
head(iris)
```

```
##   Sepal.Length Sepal.Width Petal.Length Petal.Width Species
## 1         5.1         3.5         1.4         0.2   setosa
## 2         4.9         3.0         1.4         0.2   setosa
## 3         4.7         3.2         1.3         0.2   setosa
## 4         4.6         3.1         1.5         0.2   setosa
## 5         5.0         3.6         1.4         0.2   setosa
## 6         5.4         3.9         1.7         0.4   setosa
```

```
RegressionModel <- lm(iris$Sepal.Length ~ iris$Sepal.Width)
```

```
RegressionModel
```

```
##
## Call:
## lm(formula = iris$Sepal.Length ~ iris$Sepal.Width)
##
## Coefficients:
##      (Intercept)  iris$Sepal.Width
##           6.5262          -0.2234
```

```
summary(RegressionModel)
```

```
##
## Call:
## lm(formula = iris$Sepal.Length ~ iris$Sepal.Width)
##
## Residuals:
##      Min       1Q   Median       3Q      Max
## -1.5561 -0.6333 -0.1120  0.5579  2.2226
##
## Coefficients:
##              Estimate Std. Error t value Pr(>|t|)
## (Intercept)    6.5262    0.4789   13.63  <2e-16 ***
## iris$Sepal.Width -0.2234    0.1551   -1.44    0.152
## ---
## Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1
##
## Residual standard error: 0.8251 on 148 degrees of freedom
## Multiple R-squared:  0.01382,    Adjusted R-squared:  0.007159
## F-statistic: 2.074 on 1 and 148 DF,  p-value: 0.1519
```