# A Minimal Demo of knitr

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You can test if **knitr** works with this minimal demo. OK, let's get started with some boring random numbers:

```
set.seed(1121)
(x <- rnorm(20))

## [1]  0.14496  0.43832  0.15319  1.08494  1.99954 -0.81188  0.16027  0.58589  0.36009
## [10] -0.02531  0.15088  0.11008  1.35968 -0.32699 -0.71638  1.80977  0.50840 -0.52746
## [19]  0.13272 -0.15594

mean(x)

## [1] 0.3217

var(x)

## [1] 0.5715
```
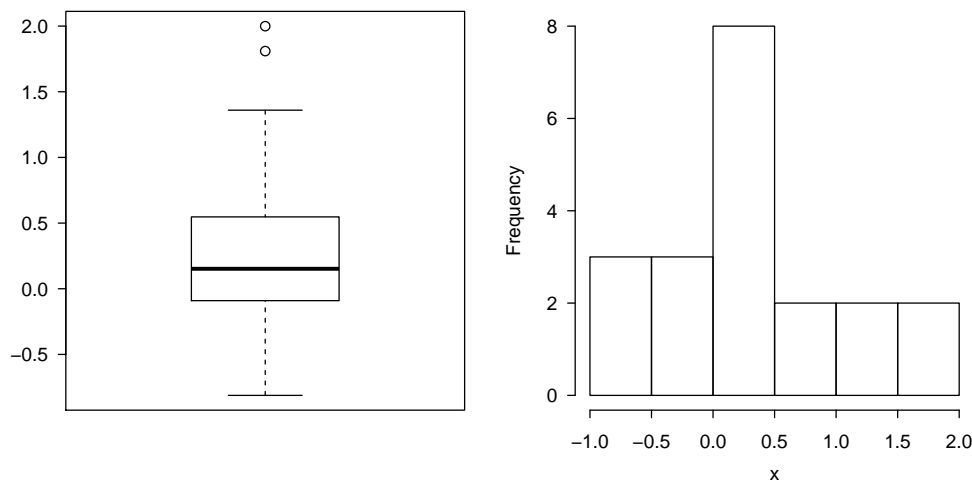
The first element of x is 0.145. Boring boxplots and histograms recorded by the PDF device:

```
## two plots side by side (option fig.show='hold')
par(mar = c(4, 4, 0.1, 0.1), cex.lab = 0.95, cex.axis = 0.9, mgp = c(2, 0.7, 0),
    tcl = -0.3, las = 1)
boxplot(x)
hist(x, main = "")
```



Do the above chunks work? You should be able to compile the TeX document and get a PDF file like this one: https://github.com/downloads/yihui/knitr/knitr-minimal.pdf. The Rnw source of this document is at https://github.com/yihui/knitr/blob/master/inst/examples/knitr-minimal.Rnw.