

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:

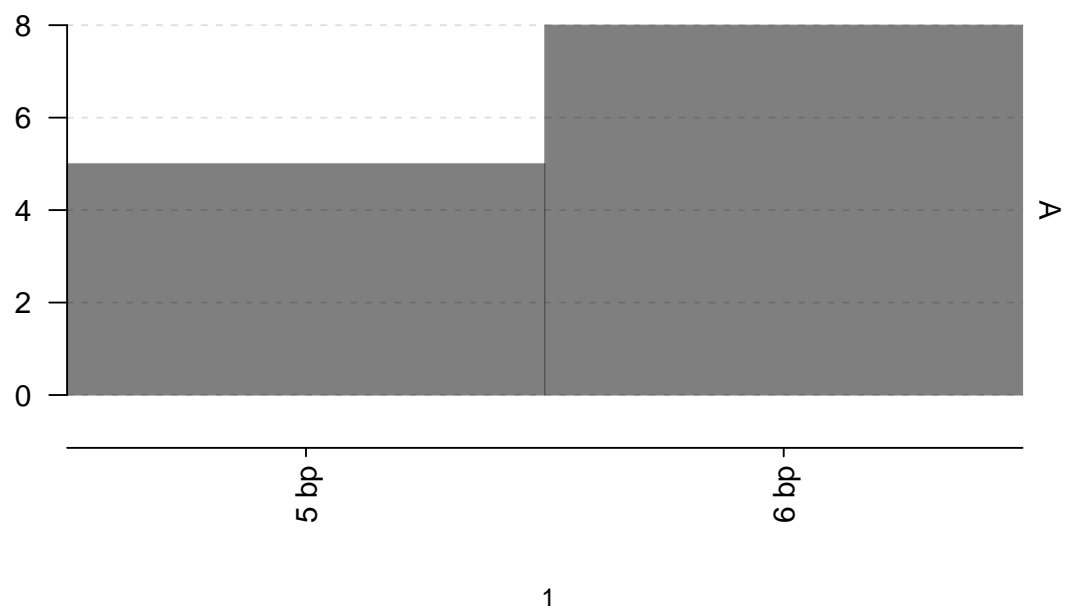
```
set.seed(1121)
(x=rnorm(20))

## [1] 0.1449583 0.4383221 0.1531912 1.0849426 1.9995449 -0.8118832 0.1602680
## [8] 0.5858923 0.3600880 -0.0253084 0.1508809 0.1100824 1.3596812 -0.3269946
## [15] -0.7163819 1.8097690 0.5084011 -0.5274603 0.1327188 -0.1559430

mean(x);var(x)

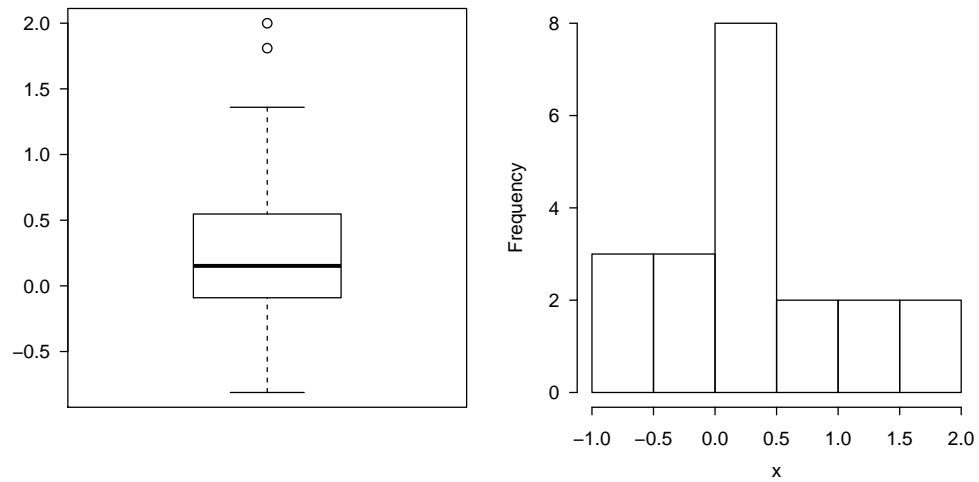
## [1] 0.3217385
## [1] 0.5714534
```

```
gr <- GRanges(c(1,1), IRanges(c(5,6), width=1), strand=c("+","-"), A=c(5,8), B=c(3,2), seqinfo= gUtils:::
g <- gTrack(gr, height=7, xaxis.chronly = TRUE, y.field="A", bars=TRUE, xaxis.suffix = "bp")
plot(g, windows=GRanges(1, IRanges(5,6)))
```



The first element of `x` is 0.1449583. Boring boxplots and histograms recorded by the PDF device:

```
## two plots side by side (option fig.show='hold')
par(mar=c(4,4,.1,.1),cex.lab=.95,cex.axis=.9,mgp=c(2,.7,0),tcl=-.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/yihui/knitr/releases/download/doc/knitr-minimal.pdf>. The Rnw source of this document is at <https://github.com/yihui/knitr/blob/master/inst/examples/knitr-minimal.Rnw>.