

```
> library(knitr)
> # set global chunk options
> opts_chunk$set(fig.path='figure/minimal-', fig.align='center', fig.show='hold')
> options(formatR.arrow=TRUE,width=90)
```

A Minimal Demo of knitr

Yihui Xie

June 10, 2016

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
```

The first element of `x` is 0.144958306409317. 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>.