Knitr in CoCalc

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February 16, 2024

You can type R commands in your LaTeX document and they will be properly run and the output printed in the document.

```
library(knitr)
opts_chunk$set(fig.path='figure/latex-', cache.path='cache/latex-')
```

```
R.version

##                _
## platform       x86_64-pc-linux-gnu
## arch           x86_64
## os             linux-gnu
## system         x86_64, linux-gnu
## status
## major          4
## minor          3.0
## year           2023
## month          04
## day            21
## svn rev        84292
## language       R
## version.string R version 4.3.0 (2023-04-21)
## nickname       Already Tomorrow
```

```
ip <- installed.packages()
dim(ip)

## [1] 5470   16
```

```
# Create a sequence of numbers
X = 2:10
```

```r
# Display basic statistical measures
summary(X)

##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##       2       4       6       6       8      10
```

```r
myF <- function(x) {
    print(2*x + 1)
}
myF(22)

## [1] 45
```

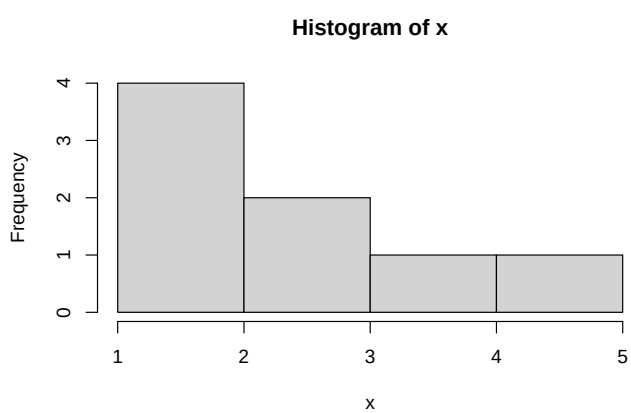
$$x^y$$

```r
a <- 111
```

```r
x <- c(2,3,4,5,1,2,3,2)
summary(x)

##    Min. 1st Qu.  Median    Mean 3rd Qu.    Max.
##    1.00    2.00    2.50    2.75    3.25    5.00
```

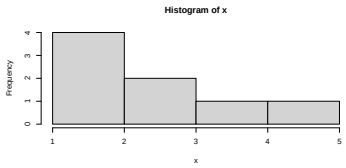
```r
hist(x)
```



Sum of 2+3+4+5+1+2+3+2 is 22.
test
test 123

test
test
test
test
test
test
test
test
test
test
test
test
test
where am I? here.
t
t
t
asdf
t
t
t
t
t
t
t
t
t
t 123
t
this line
t
t
t

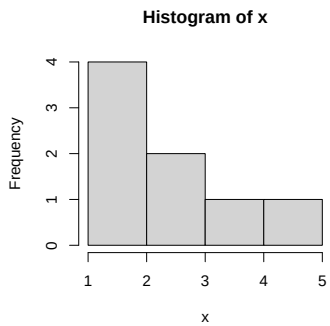
```r
hist(x)
```



t
t
t
ok

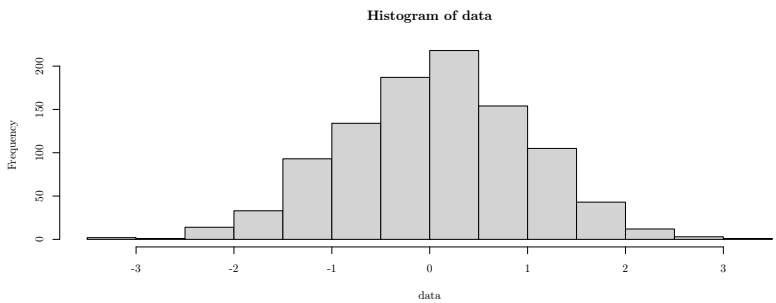
t
t
t
t
t
t

```r
hist(x)
```



t
t
t
t
t
t
t
t
t
t

```r
data <- rnorm(1000)
hist(data)
```



0.0588235 and 1.23×10^{-6}.
EOF