

test_15.1

KANG_Edison

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I am the *best* student.

- Prepare tutorial
 - Go to class
 - Revise lecture
 - Finish ICA report
1. Eat breakfast
 2. Eat lunch
 3. Eat dinner
 4. Sleep

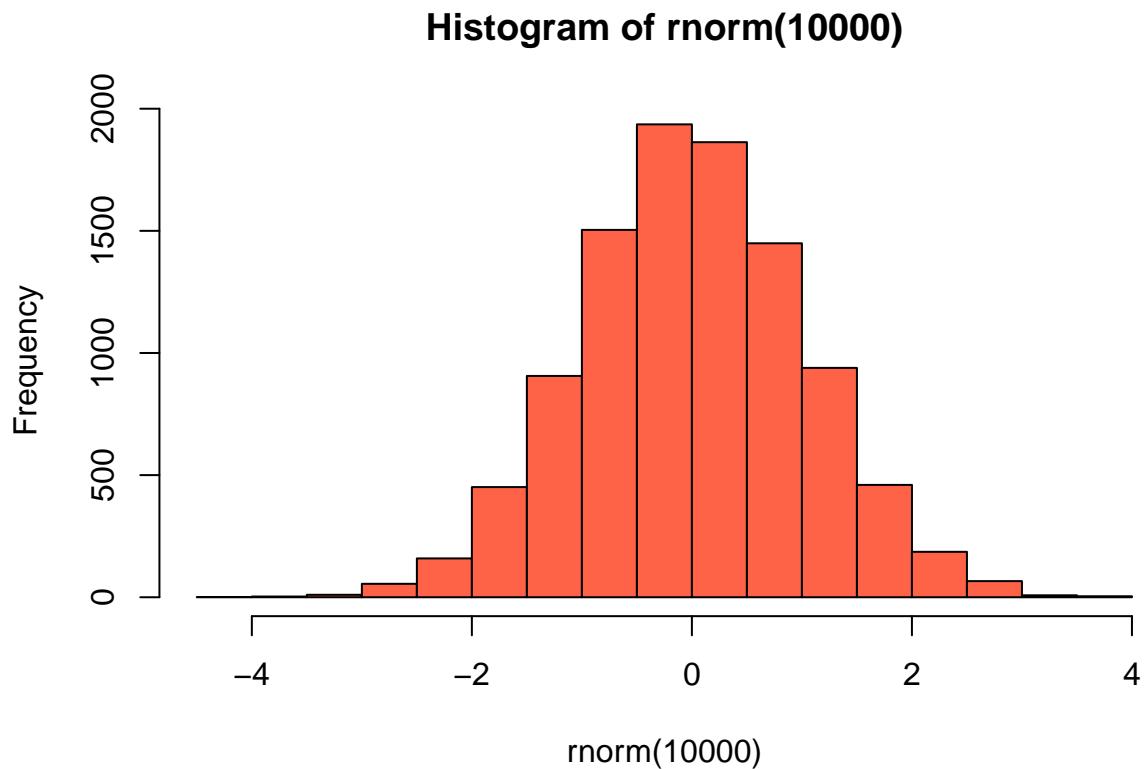
```
x=2  
y=3  
x+y
```

```
## [1] 5
```

```
2+2
```

```
## [1] 4
```

```
hist(rnorm(10000), col ="tomato")
```



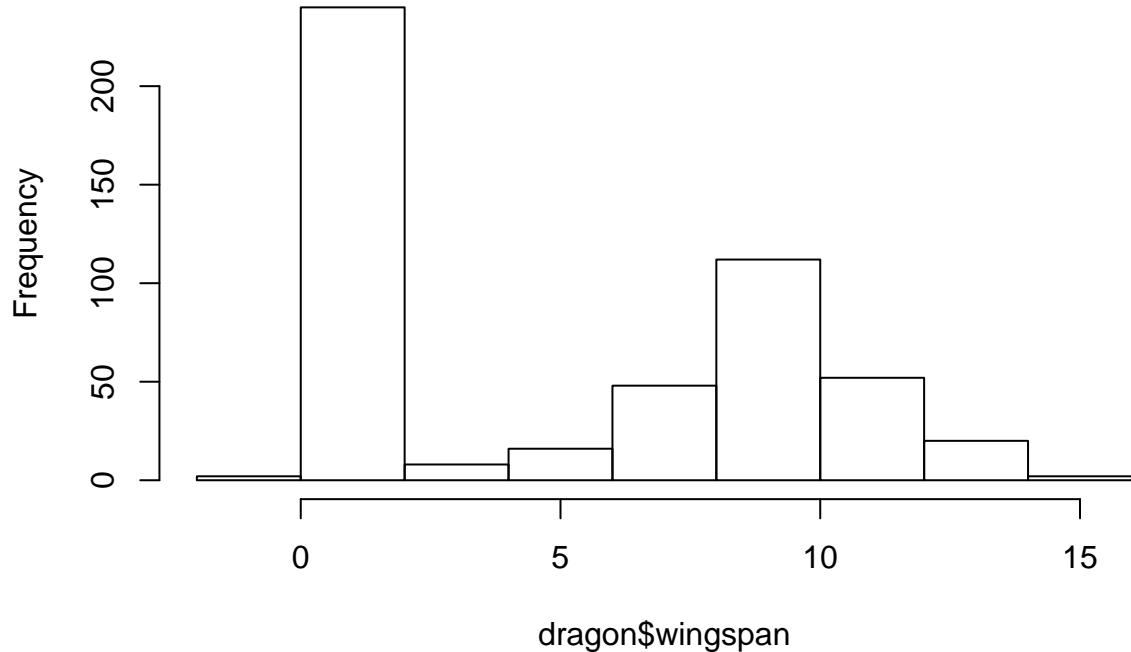
```
x
```

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

We determined that the sum 1 and 2 was 3 surprisingly

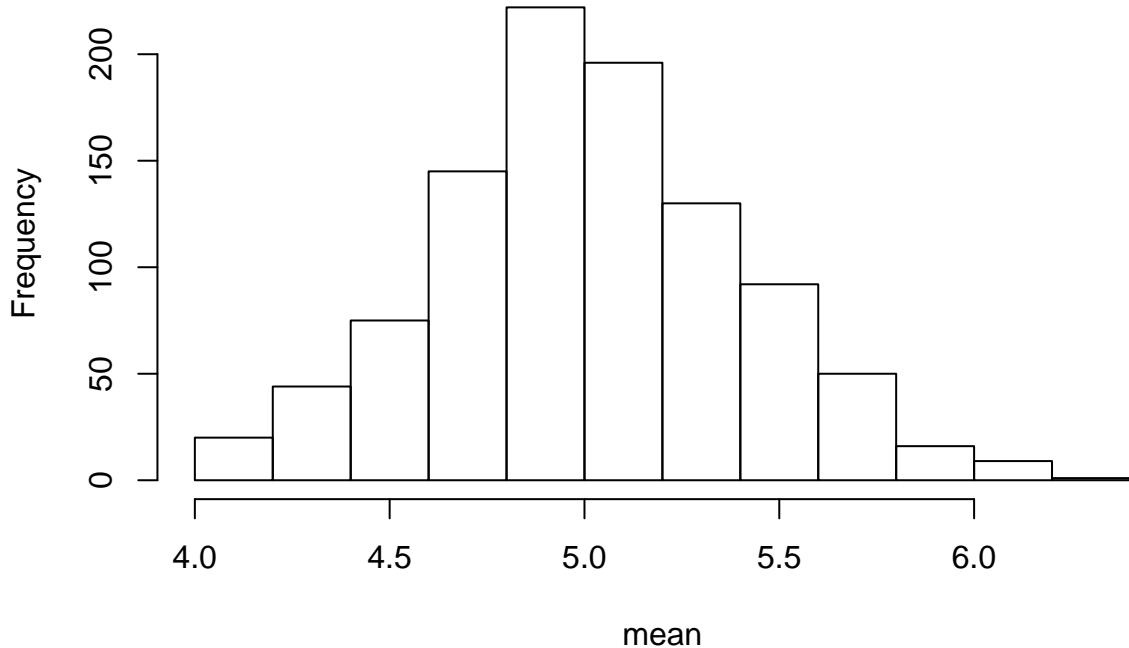
```
dragon <- read.csv('C:\\\\Users\\\\KANG Jianning\\\\Documents\\\\GitKraken\\\\ADS2_2019-20\\\\Practicals\\\\Practicals\\\\Dragon\\\\Dragon.csv')
hist(dragon$wingspan)
```

Histogram of dragon\$wingspan



```
mean <- []
for (i in 1:1000) {
  Randomchoose <- sample(500,100)
  mean[i] <- round(mean(dragon$wingspan[c(Randomchoose)]),1)
}
hist(mean)
```

Histogram of mean



```
dragons <- read.csv('C:\\\\Users\\\\KANG Jianning\\\\Documents\\\\GitKraken\\\\ADS2_2019-20\\\\Practicals\\\\Practical1\\\\dragons.csv')
library(knitr)
```

```
## Warning: package 'knitr' was built under R version 3.5.3
```

```
kable(dragons[1:5,])
```

x
1.34
0.67
0.80
0.66
1.29

```
kable(summary(dragons))
```

wingspan
Min. :-0.140
1st Qu.: 1.058
Median : 3.310
Mean : 5.075

wingspan
3rd Qu.: 9.070
Max. :14.460

```
mice <- read.csv("mouse_report.csv")
kable(mice[1:20,c(2,4,5)])
```

ID	weight	age
qg487	20	23
sw743	20	20
je649	21	21
pr476	16	13
nh236	20	16
nt852	15	11
ot185	18	29
mq231	20	7
pg148	21	15
zt398	16	14
nu634	20	38
lj546	17	25
jt739	20	12
af041	20	15
gk257	18	13
cj459	18	28
lu039	21	22
qn532	21	5
ey679	18	21
mp250	20	30

```
mice <- read.csv("mouse_report.csv")
kable(summary(mice))
```

date	ID	genotype	weight	age
July 2019:40	af041 : 1	LSM:10	Min. :15.00	Min. : 5.0
NA	cj459 : 1	OLJ:11	1st Qu.:18.00	1st Qu.:13.0
NA	cv471 : 1	RSM:19	Median :20.00	Median :16.0
NA	ey679 : 1	NA	Mean :19.05	Mean :19.1
NA	gd974 : 1	NA	3rd Qu.:20.00	3rd Qu.:23.5
NA	gk257 : 1	NA	Max. :23.00	Max. :46.0
NA	(Other):34	NA	NA	NA



R Markdown

This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.

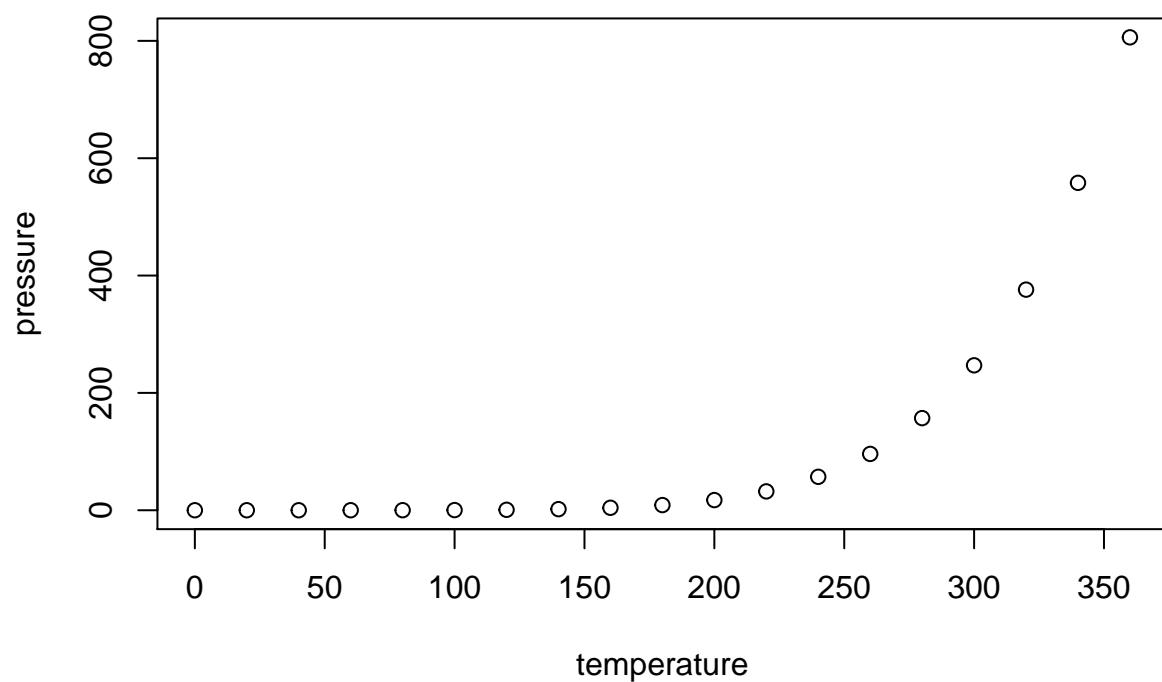
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

```
summary(cars)
```

```
##      speed          dist
##  Min.   : 4.0   Min.   : 2.00
##  1st Qu.:12.0   1st Qu.: 26.00
##  Median :15.0   Median : 36.00
##  Mean   :15.4   Mean   : 42.98
##  3rd Qu.:19.0   3rd Qu.: 56.00
##  Max.   :25.0   Max.   :120.00
```

Including Plots

You can also embed plots, for example:



Note that the `echo = FALSE` parameter was added to the code chunk to prevent printing of the R code that generated the plot.