

# ADS2 Practical 12: R Markdown

Shen Nuo

2023-12-07

## R Markdown

### Text editing in R markdown

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

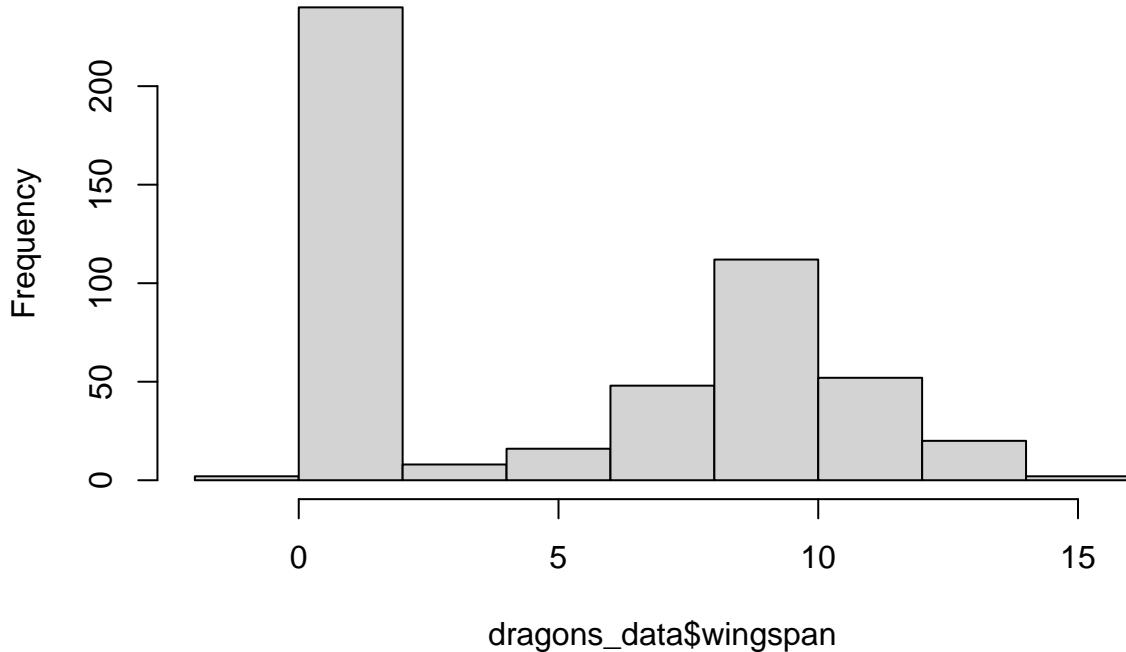
### Including code in R Markdown

```
setwd('/Users/shennuo/ADS_2023/Practical 5')

dragons_data<-read.csv("dragons.csv")

hist(dragons_data$wingspan)
```

## Histogram of dragons\_data\$wingspan



## Tables

```
library(knitr)
kable(head(dragons_data, 5))
```

wingspan
1.34
0.67
0.80
0.66
1.29

```
#plot the summary statistics
kable(summary(dragons_data))
```

wingspan
Min. :-0.140
1st Qu.: 1.058
Median : 3.310
Mean : 5.075
3rd Qu.: 9.070
Max. :14.460

```
#datasets with more than one variable
setwd('/Users/shennuo/ADS_2023/Practical 5')

mice <- read.csv("mouse_report.csv")

kable(mice[1:6,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

```
kable(summary(mice))
```

date	ID	genotype	weight	age
Length:40	Length:40	Length:40	Min. :15.00	Min. : 5.0
Class :character	Class :character	Class :character	1st Qu.:18.00	1st Qu.:13.0
Mode :character	Mode :character	Mode :character	Median :20.00	Median :16.0
NA	NA	NA	Mean :19.05	Mean :19.1
NA	NA	NA	3rd Qu.:20.00	3rd Qu.:23.5
NA	NA	NA	Max. :23.00	Max. :46.0

## Images

```
out.width='100%'
fig.align='center'
fig.caption='The description of the figure.'
include_graphics(path = '/Users/shennuo/ADS_2023/Practical 5/Bridge.png')
```

