R Markdown

Charles

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Contents

Chapter Two

Header 1 (Main heading)

Header 2 (Sub heading)

Header 3 (Sub heading)

Creating a list

Unordered list

- This is the first line
  - This is a sub-line
  - This is another sub-line
- This actually goes to the outer level
- This is definitely at the outer level

Ordered list

- First line
- Second line
    - nested line

1. Charles is a good man and ambitious about his dreams.
2. numbered
3. list

Creating Tables

Name	Gender	Occupation
Charles Kwame Appiah	Male	Renewable Energy Engineer
Richmond Amoah	*Male*	*Fashion*
Ann Amoah	*Female*	*Doctor*

Italics

Charles is good at what he does

Bold

Charles is always finding new ways to learn new things everyday

Creating a link

Ckappiah1999

Inseritng a picture

We insert images like this, starting with the exclamation mark !, adding a square bracket [] to contain the text of the image and adding the path to the image.

Inline code

`Click on this link to get access to my account on` Github

This is some text [with a link][interesting].

> This is a block quote

Creating a chunk

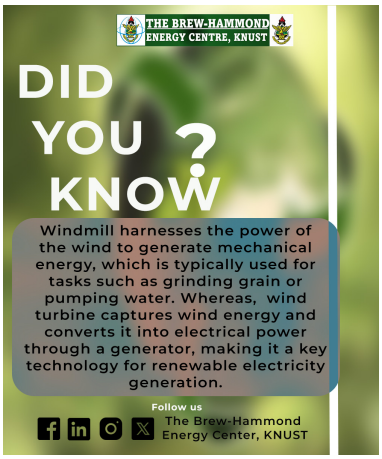

Figure 1: Did you know

```
data(presidents)
str(as.data.frame(presidents))
```

```
## 'data.frame':    120 obs. of  1 variable:
##  $ x: Time-Series  from 1945 to 1975: NA 87 82 75 63 50 43 32 35 60 ...
```

```
pre <- presidents

print(pre)
```

```
##      Qtr1 Qtr2 Qtr3 Qtr4
## 1945   NA   87   82   75
## 1946   63   50   43   32
## 1947   35   60   54   55
## 1948   36   39   NA   NA
## 1949   69   57   57   51
## 1950   45   37   46   39
## 1951   36   24   32   23
## 1952   25   32   NA   32
## 1953   59   74   75   60
## 1954   71   61   71   57
## 1955   71   68   79   73
## 1956   76   71   67   75
## 1957   79   62   63   57
## 1958   60   49   48   52
## 1959   57   62   61   66
## 1960   71   62   61   57
## 1961   72   83   71   78
## 1962   79   71   62   74
## 1963   76   64   62   57
## 1964   80   73   69   69
## 1965   71   64   69   62
## 1966   63   46   56   44
## 1967   44   52   38   46
```

```
## 1968   36   49   35   44
## 1969   59   65   65   56
## 1970   66   53   61   52
## 1971   51   48   54   49
## 1972   49   61   NA   NA
## 1973   68   44   40   27
## 1974   28   25   24   24
```

```
f <- function(x) ifelse(x %% 2 == 0, x**2, x**3)
f(2:20)
```

```
##  [1]    4   27   16  125   36  343   64  729  100 1331  144 2197  196 3375  256
## [16] 4913  324 6859  400
```

creating section

[this section][@ckappiah1999.com]

Creating biography

bibliography: bibliography.bib ... —

[@ckappiah1999, chapter 4]

bibliography: bibliography.bib csl: biomed-central.csl ... —

[@ckappiah1999.com]

Charles

Adding citation

We can add citation like this [1]

```
data(cars)
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
```

```
sum(cars)
```

```
## [1] 2919
```

[1] Done for the day

```r
str(cars)
```

```
## 'data.frame':    50 obs. of  2 variables:
##  $ speed: num  4 4 7 7 8 9 10 10 10 11 ...
##  $ dist : num  2 10 4 22 16 10 18 26 34 17 ...
```

The mean of the distant in the cars dataset is 42.98

Calling the knit package

```r
library(knitr)
kable(head(cars))
```

speed	dist
4	2
4	10
7	4
7	22
8	16
9	10

```r
set.seed(123)  # Ensures reproducibility initially
random_numbers <- rnorm(200)  # Generate 100 random values
head(random_numbers)  # Display first few numbers
```

```
## [1] -0.56047565 -0.23017749  1.55870831  0.07050839  0.12928774  1.71506499
```

```r
mean_random <- mean(random_numbers)
mean_random  # Compute and display the mean
```

```
## [1] -0.008570445
```