

My First Date with Quarto

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1 Getting Started

Code chunk below perform the following tasks:

- loading **knitr**, **DT**, and **tidyverse** family of r packages onto R environment by using `p_load()` of **pacman** package.
- importing *Exam_data.csv* into R and save it as a tibble data frame by using `read_csv()` of **readr** package.

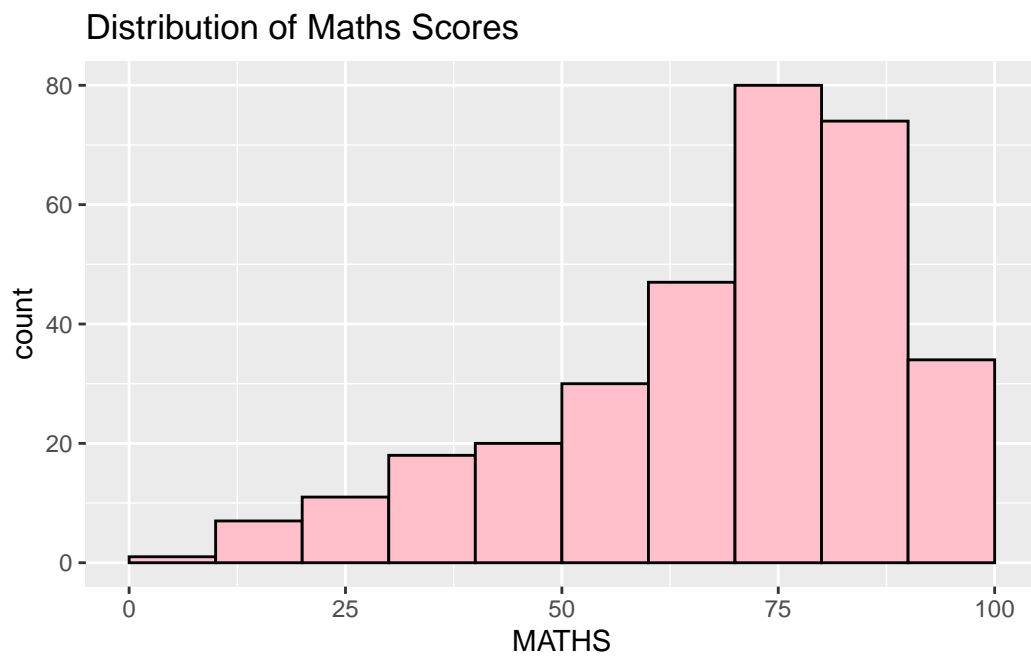
```
pacman::p_load(tidyverse, knitr, DT)

exam_data <- read_csv("data/Exam_data.csv")
```

2 Hello Plot

Code chunk below is used to plot a histogram of Maths score by using functions of **ggplot2** package.

```
ggplot(data = exam_data,  
       aes(x = MATHS)) +  
  geom_histogram(bins = 10,  
                boundary = 100,  
                color = "black",  
                fill = "pink") +  
  ggtitle("Distribution of Maths Scores")
```



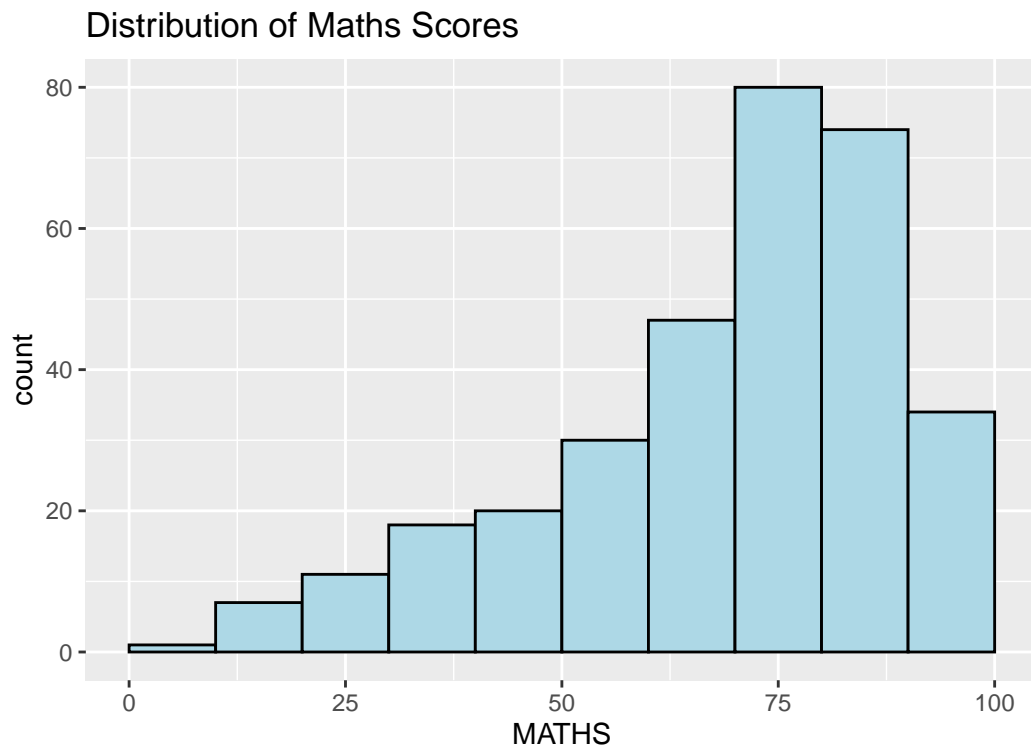
2.1 Dual columns slide

In this sub-sections, **columns** function of Quarto is used to split the display area into two equal parts.

The code chunk.

```
ggplot(data = exam_data,
       aes(x = MATHS)) +
  geom_histogram(bins = 10,
                boundary = 100,
                color = "black",
                fill = "light blue") +
  ggtitle("Distribution of Maths Scores")
```

The plot



3 Adding Table

3.1 Static html table

This slide shows an example of displaying a professional looking table on Quarto using `kable()` of `knitr` package.

ID	CLASS	GENDER	RACE	ENGLISH	MATHS	SCIENCE
Student321	3I	Male	Malay	21	9	15
Student305	3I	Female	Malay	24	22	16
Student289	3H	Male	Chinese	26	16	16
Student227	3F	Male	Chinese	27	77	31
Student318	3I	Male	Malay	27	11	25
Student306	3I	Female	Malay	31	16	16

3.2 Interactive table

This slide shows an example of displaying a professional looking table on Quarto using `datatable()` of **DT** package.

```
datatable(data = exam_data,
  options = list(
    scrollY = "400px",
    scrollX = TRUE,
    scrollCollapse = TRUE,
    paging = FALSE),
  width = "100%")
```