

# My Test File

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## R Markdown

Set the working directory:

### 1. How to emebed image into R Markdnw

This is an example of embedding images in your local folder into R Markdown. For example, I have a illustration graph of the links between packages ggplot2, gtable, grid, egg and gridExtra under the folder Mod7.

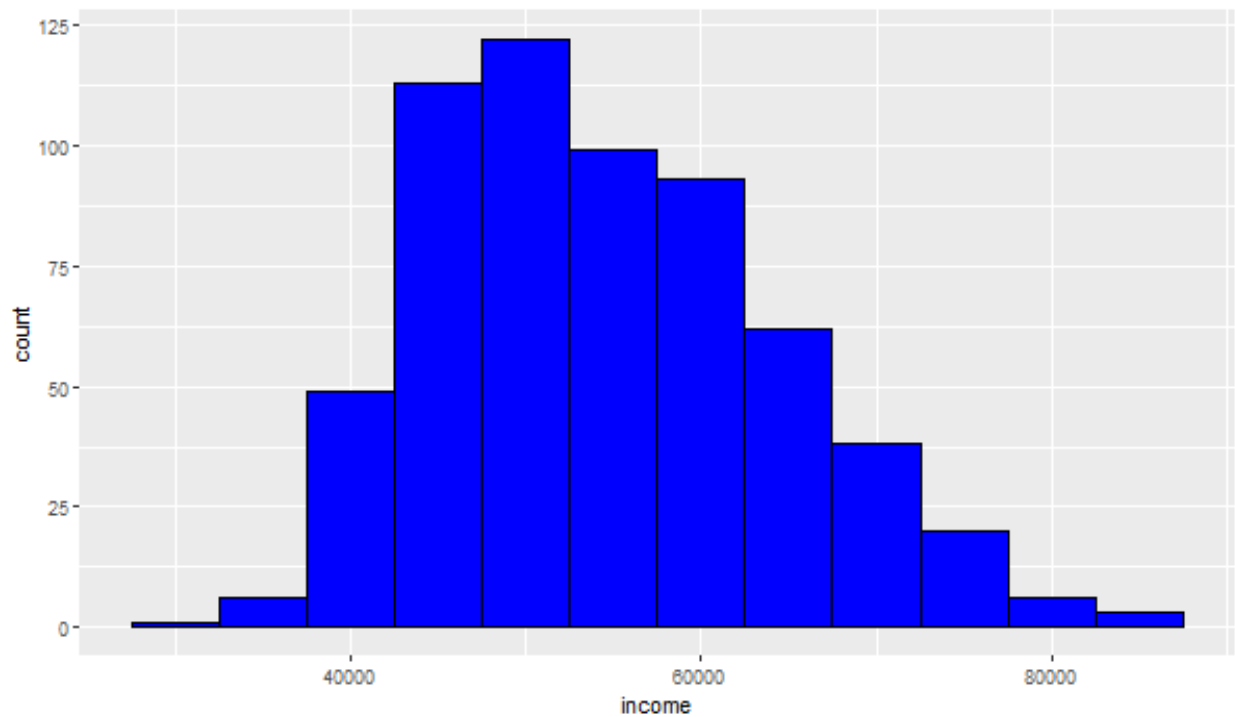


Figure 1: This is my own caption

This is another way to insert the image and set the position for the image.



Figure 2: Resized Schematic illustration of my own file.

## 2. Create a high quality figure in R Markdown

This is an example of plotting graphs by setting the plotting area and resolution. For example, I create a histogram below and set the width, height and resolution in the Chunk options. You can also define the figure size in YAML header and/or define the figure size as global chunk option. This is my own text.

## 3. Refer to the figure by indexing the figure.

In Figure 3, we see that the distribution of incomes is close to a normal distribution. In Figure 2, we see the illustration graph.

## 4. Create tables using the kable function from the knitr package.

kable takes a data.frame as input, and outputs the table into a markdown table, which will get rendered into the appropriate output format.

For example, let's say we wanted to share the first 6 rows of our mtcars data.

This gives us the following output:

Table 1: A Knitr's kable to show the first six rows of 'mtcars'

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160	110	3.90	2.62	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160	110	3.90	2.88	17.02	0	1	4	4
Datsun 710	22.8	4	108	93	3.85	2.32	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258	110	3.08	3.21	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360	175	3.15	3.44	17.02	0	0	3	2
Valiant	18.1	6	225	105	2.76	3.46	20.22	1	0	3	1

## 5. Refer to the tables

For example, let's say we wanted to share the first 10 rows of our mtcars data.

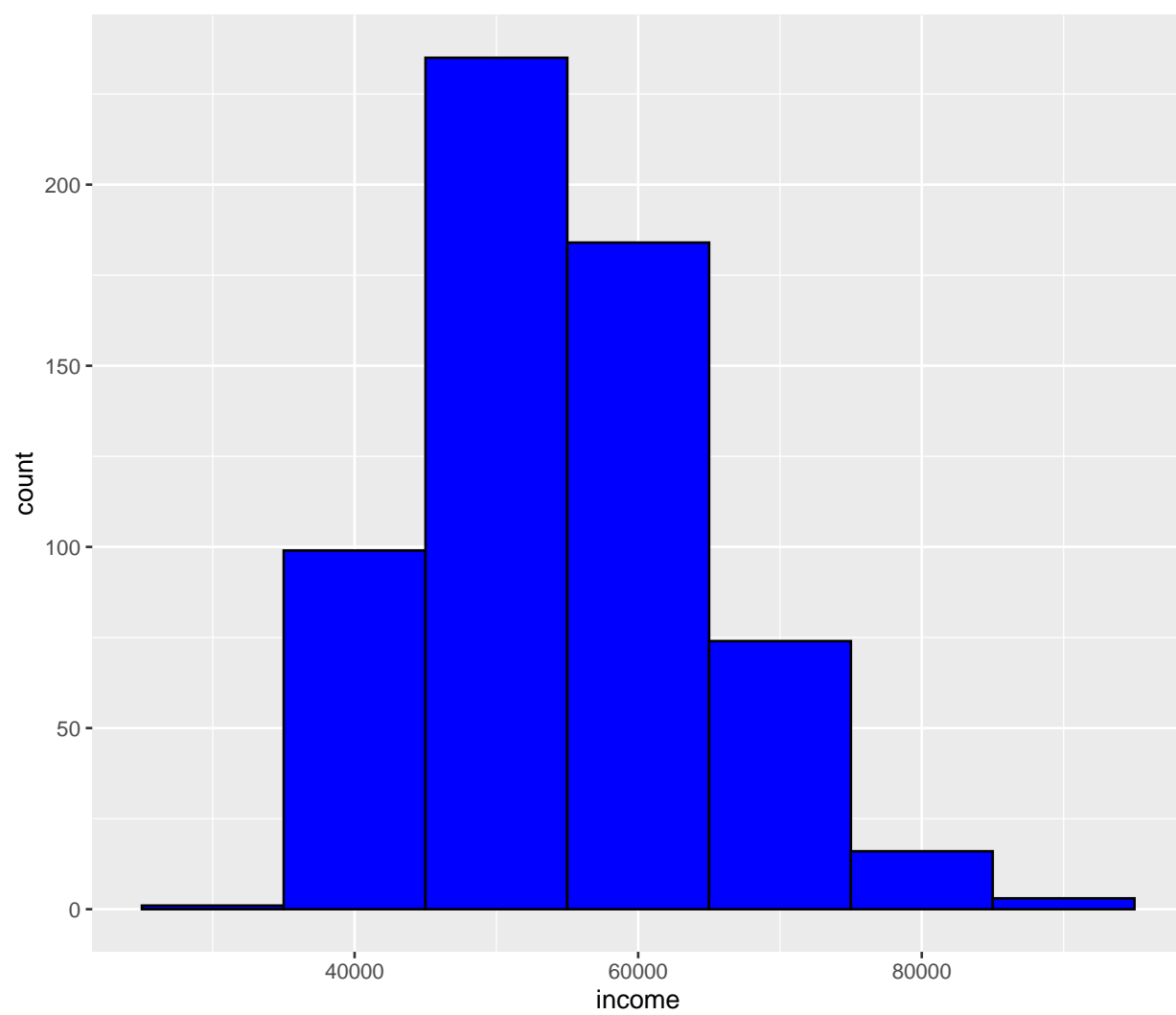


Figure 3: A basic histogram of the file incomes

This gives us the following output:

Table 2: A Knitr's kable to show the first ten rows of 'mtcars'

	mpg	cyl	disp	hp	drat	wt	qsec	vs	am	gear	carb
Mazda RX4	21.0	6	160.0	110	3.90	2.62	16.46	0	1	4	4
Mazda RX4 Wag	21.0	6	160.0	110	3.90	2.88	17.02	0	1	4	4
Datsun 710	22.8	4	108.0	93	3.85	2.32	18.61	1	1	4	1
Hornet 4 Drive	21.4	6	258.0	110	3.08	3.21	19.44	1	0	3	1
Hornet Sportabout	18.7	8	360.0	175	3.15	3.44	17.02	0	0	3	2
Valiant	18.1	6	225.0	105	2.76	3.46	20.22	1	0	3	1
Duster 360	14.3	8	360.0	245	3.21	3.57	15.84	0	0	3	4
Merc 240D	24.4	4	146.7	62	3.69	3.19	20.00	1	0	4	2
Merc 230	22.8	4	140.8	95	3.92	3.15	22.90	1	0	4	2
Merc 280	19.2	6	167.6	123	3.92	3.44	18.30	1	0	4	4

In Table ??, we see the first **10** rows of the dataset “mtcars”.