

作業使用 R markdown

注意事項

繳交的作業請上傳 pdf 或是 word 檔。

1. 文件資訊部分:

- Title: (作業名稱)
- Author: 姓名 (學號)

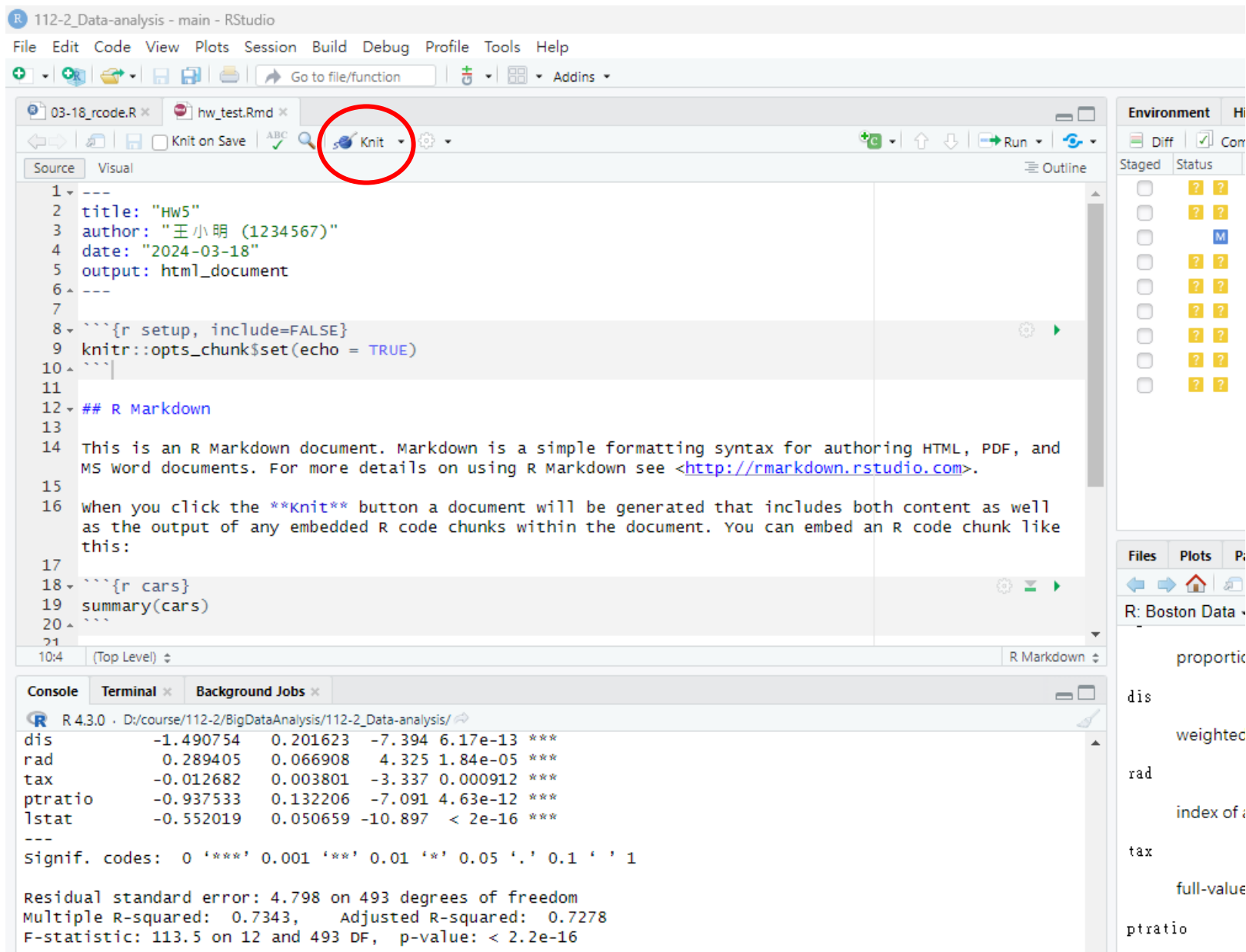
```
1 ---  
2 title: "Hw5"  
3 author: "王小明 (1234567)"  
4 date: "2024-03-18"  
5 output: html_document  
6 ---  
7
```

2. 作業內容注意事項

- 輸出結果需要用文字解釋
- 數學符號要打出來

3. 作業輸出:

- Step1: 點選 "knit"



The screenshot shows the RStudio interface with the file "hw_test.Rmd" open. The "Knit" button in the top toolbar is circled in red. The source editor displays R Markdown code, and the console shows the output of the R code chunk.

```
1 ---
2 title: "HW5"
3 author: "王小明 (1234567)"
4 date: "2024-03-18"
5 output: html_document
6 ---
7
8 ```{r setup, include=FALSE}
9 knitr::opts_chunk$set(echo = TRUE)
10 ```
11
12 ## R Markdown
13
14 This is an R Markdown document. Markdown is a simple formatting syntax for authoring HTML, PDF, and
15 MS Word documents. For more details on using R Markdown see <http://rmarkdown.rstudio.com>.
16
17 when you click the Knit button a document will be generated that includes both content as well
18 as the output of any embedded R code chunks within the document. You can embed an R code chunk like
19 this:
20
21 ```{r cars}
22 summary(cars)
23 ```
```

Console Output:

```
R 4.3.0 · D:/course/112-2/BigDataAnalysis/112-2_Data-analysis/
dis          -1.490754    0.201623   -7.394  6.17e-13 ***
rad           0.289405    0.066908    4.325  1.84e-05 ***
tax          -0.012682    0.003801   -3.337  0.000912 ***
ptratio     -0.937533    0.132206   -7.091  4.63e-12 ***
lstat       -0.552019    0.050659  -10.897 < 2e-16 ***
---
Signif. codes:  0 '***' 0.001 '**' 0.01 '*' 0.05 '.' 0.1 ' ' 1

Residual standard error: 4.798 on 493 degrees of freedom
Multiple R-squared:  0.7343,    Adjusted R-squared:  0.7278
F-statistic: 113.5 on 12 and 493 DF,  p-value: < 2.2e-16
```

3. 作業輸出:

- Step1: 點選“knit”
- Step2: 點選“Open in Browser”

The screenshot shows the RStudio interface. On the left, the 'Source' pane displays an R Markdown file named 'hw_test.Rmd'. The file content includes a title 'HW5', author '王小明 (1234567)', date '2024-03-18', and an R code chunk with the command `summary(cars)`. The 'Knit' button is visible in the toolbar. On the right, the 'Viewer' pane shows the rendered HTML output of the document. The title 'HW5' and author information are at the top. Below is the 'R Markdown' section, followed by the output of the `summary(cars)` command, which is a table of statistics for the 'cars' dataset. The 'Including Plots' section is also visible at the bottom of the viewer pane.

hw_test.Rmd

Open in Browser

HW5

王小明 (1234567)
2024-03-18

R Markdown

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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:

800

full-value property-tax rate per \$10,000.

ptratio

pupil-teacher ratio by town

3. 作業輸出:

- Step1: 點選“knit”
- Step2: 點選“Open in Browser”
- Step3: 在瀏覽器上選取“列印”

HW5

王小明 (1234567)

2024-03-18

R Markdown

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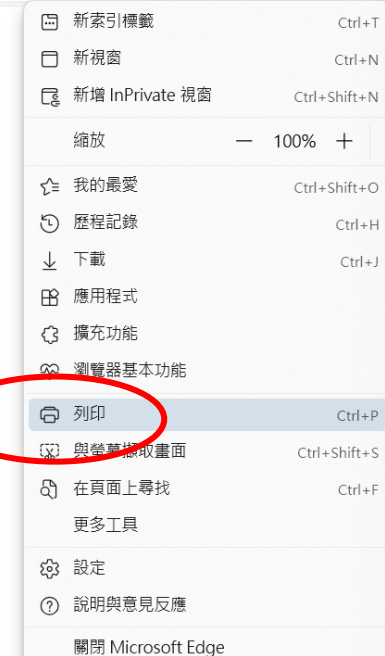
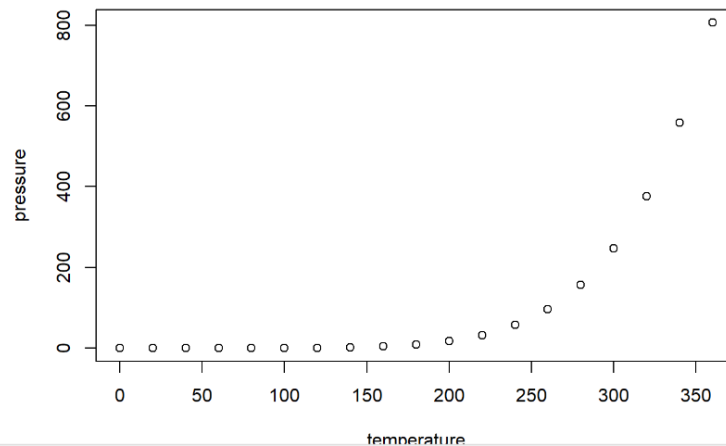
When you click the **Knit** button a document will be generated that includes both content as well as the output of any embedded R code chunks within the document. You can embed an R code chunk like this:

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##  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:



3. 作業輸出:

- Step1: 點選“knit”
- Step2: 點選“Open in Browser”
- Step3: 在瀏覽器上選取“列印”
- Step4: 在印表機選取“Print to PDF”，然後按列印

