107-1 STATISTICS INTRODUCTION TO R

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THIS WEEK LAB:

- 1. Brief introduction to R and Rstudio
- 2. Some examples of R basics and homework this week
- 3. R markdown

1. R & RSTUDIO

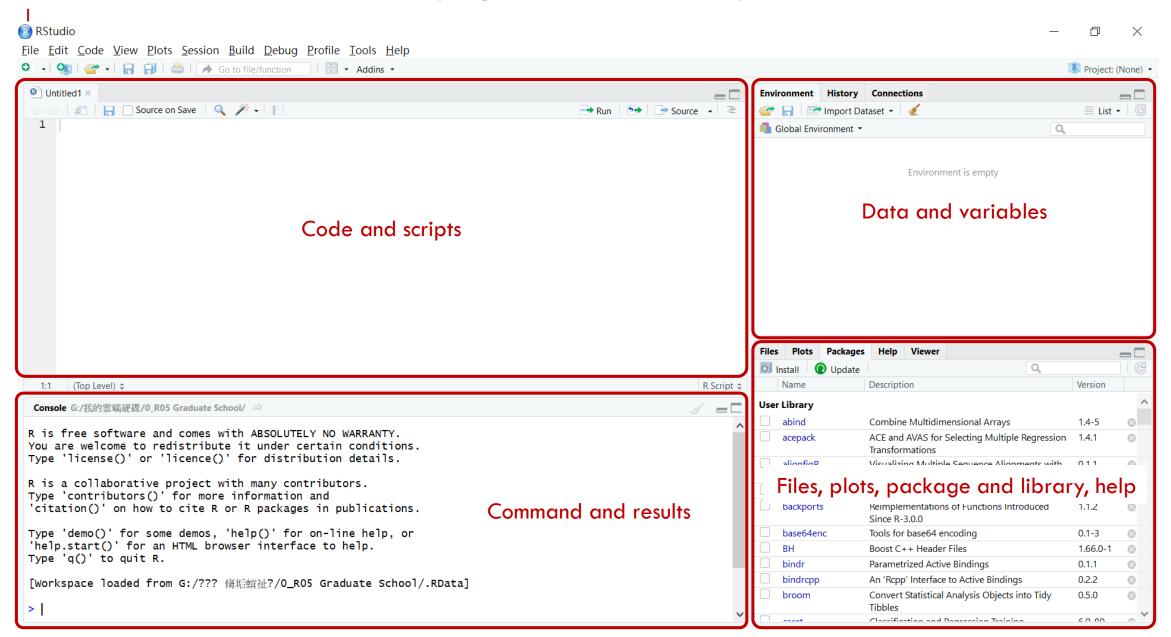


- Program
- Can be used singly



- Integrated Development Environment (IDE)
- Cannot be used singly

RSTUDIO INTERFACE



2. SOME EXAMPLES OF R BASICS AND HOMEWORK THIS WEEK

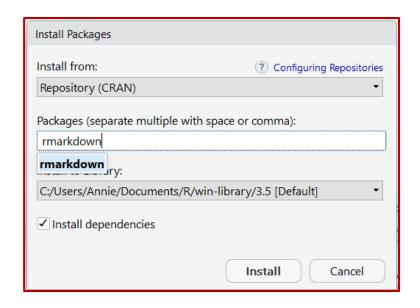
3. R MARKDOWN

- Present codes, outputs and description all in one file
- Simple way to open file (by web browser)

• To begin:

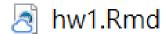
install.packages("rmarkdown")

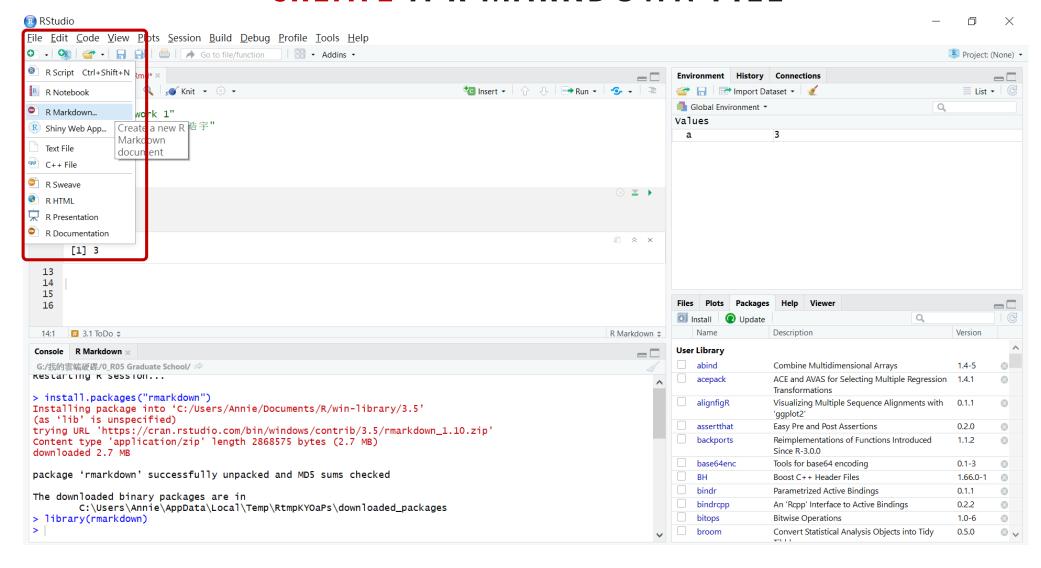
or



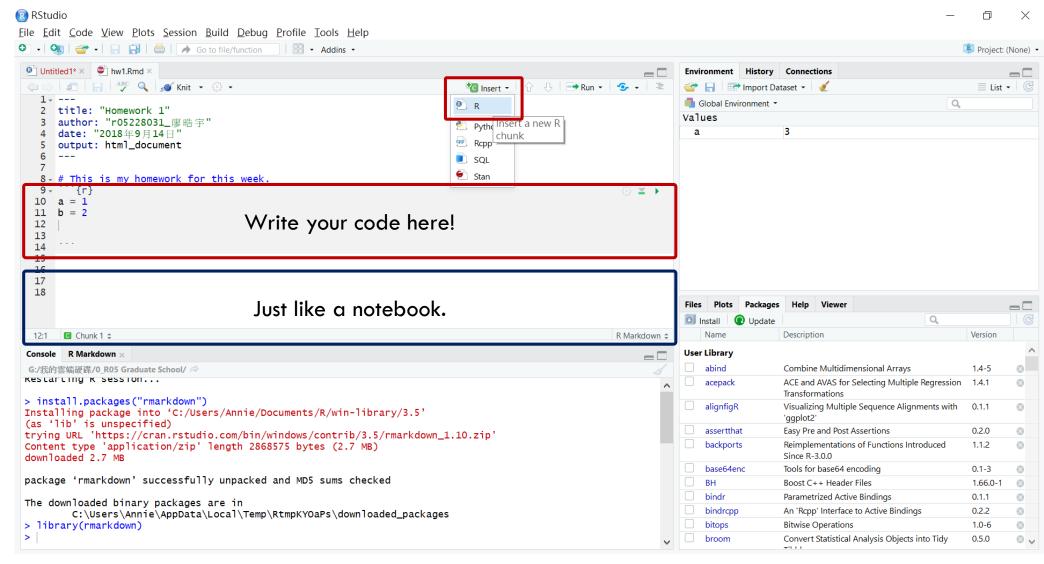
* Only once!

CREATE A R MARKDOWN FILE I hw1.Rmd

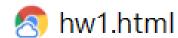


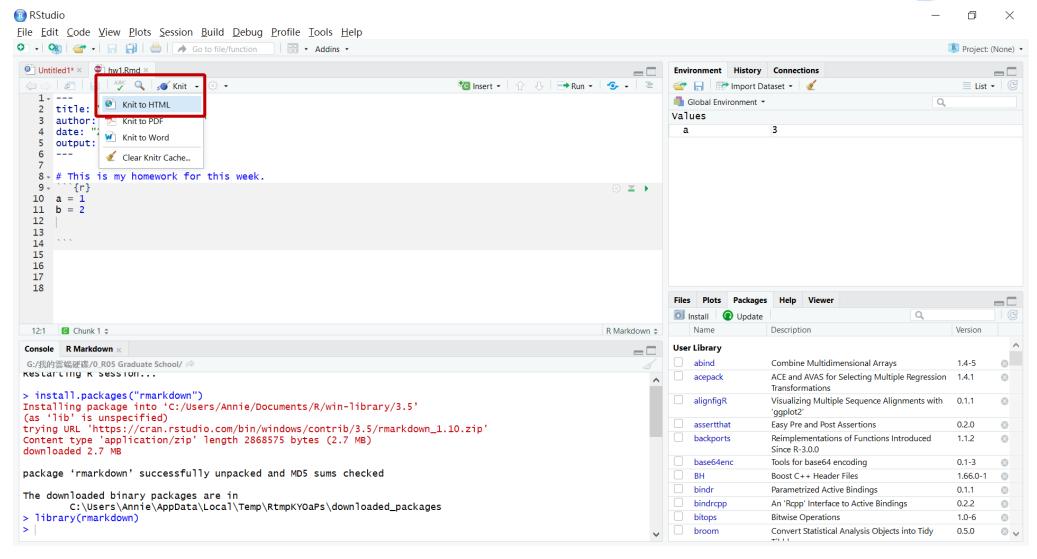


WORK ON A R MARKDOWN FILE



CREATE A .html FILE THROUGH R MARKDOWN





ONLINE RESOURCES OF R MARKDOWN

- Official website: http://rmarkdown.rstudio.com/
- Cheat sheet: https://www.rstudio.com/wp-content/uploads/2016/03/rmarkdown-cheatsheet-2.0.pdf
- Reference guide: http://www.rstudio.com/wp-content/uploads/2015/03/rmarkdown-reference.pdf
- Writing equation: https://en.wikibooks.org/wiki/LaTeX/Mathematics

作業提醒

● 僅需繳交ToDo的習題

●.html檔中,最上方記得寫上學號、姓名

● 繳交檔案: **一個.html檔 (**不用繳交.rmd檔)

● 繳交方式:ceiba作業區

● 截止日期:9/21 (五) 中午12點前