





Why you need R Markdown



http://goo.gl/rwrhpK



What is R Markdown

A convenient tool to generate reproducible document.

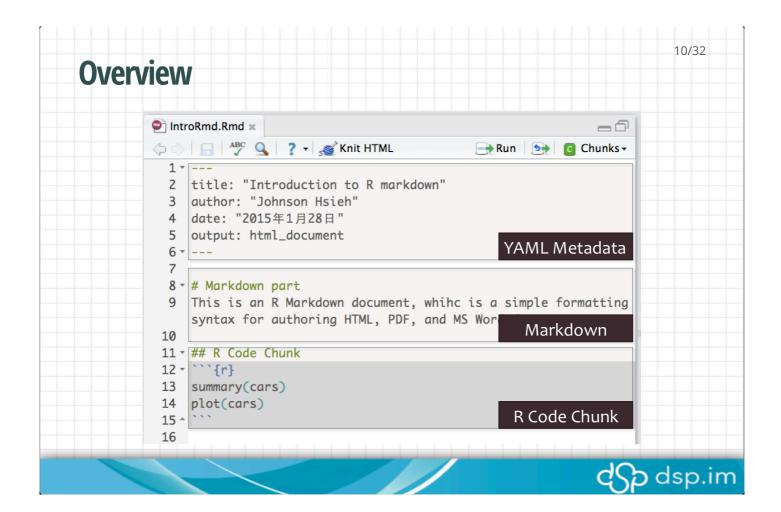
- Markdown
 - Remove HTML tag for higher readibility.
 - Inline HTML is avaliable.
- · R markdown
 - Markdown + embedded R code chunks
 - Rmd -> md -> html(docx, pdf)

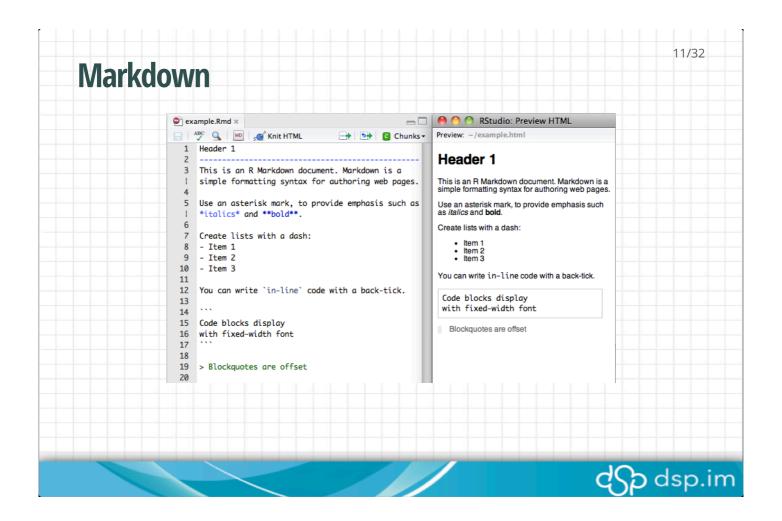
dSp dsp.im

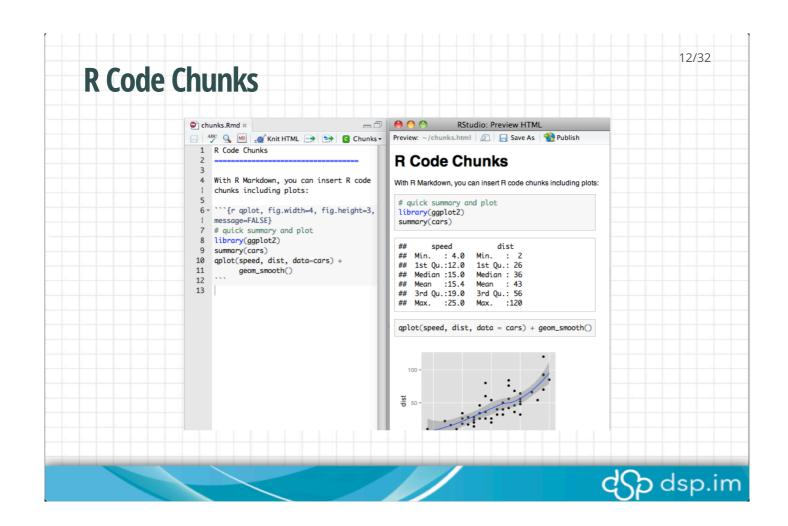


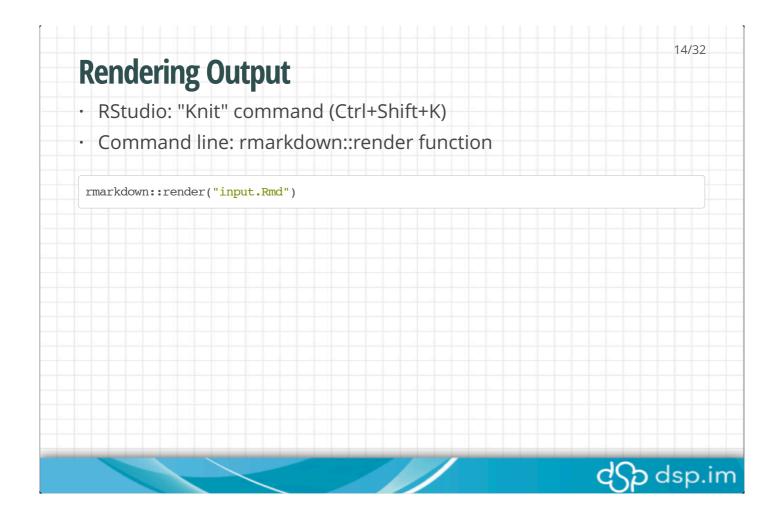


R Markdown 快速導覽

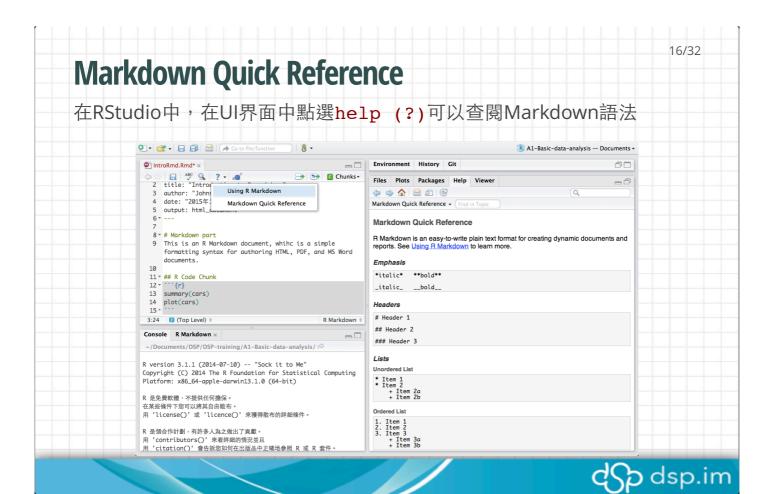




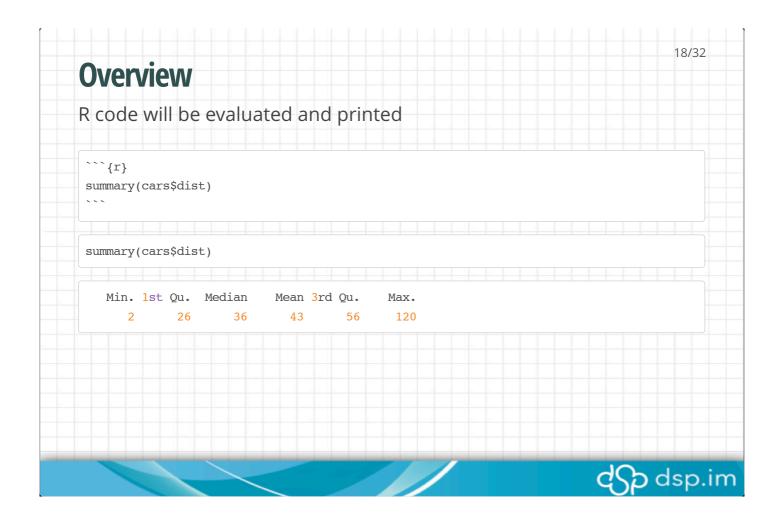




Markdown Basics



R Code Chunks



Basic Chunk Options

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- · echo(TRUE): whether to include R source code in the output file
- · eval(TRUE): whether to evaluate the code chunk
- message(TRUE): whether to preserve messages emitted by message()
- include(TRUE): if include=FALSE, nothing will be written into the output document, but the code is still evaluated and plot files are generated
- warning(TRUE): whether to preserve warnings in the output
- comment("##"): set to comment notation

Set global chunk options:

knitr::opts_chunk\$set()







```
Table Output

Set results='asis' to write raw results from R into the output document

· knitr::kable

[Tr, results='asis']

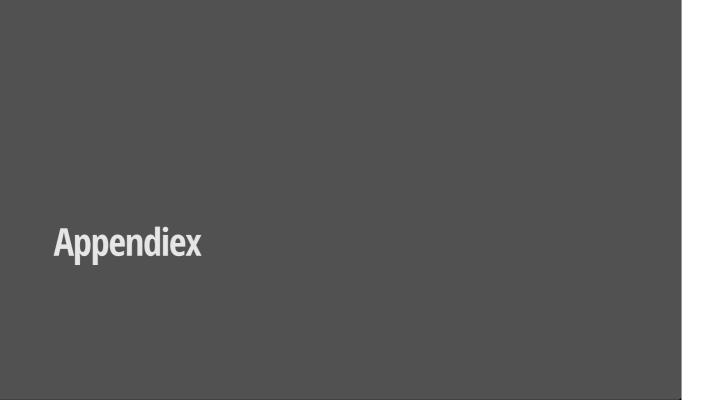
knitr::kable(women)

[Tr] dsp.im
```









About Document Content

You can add R Markdown and HTML in the YAML content.

```
title: "Introduction to R Markdown"
author: "Wush Wu, Johnson Hsieh"
date: "2015-02-01"
output: html_document
---
```



```
Generate Markdown and HTML

""{r results='asis', echo=FALSE}
library(whisker)
temp = '<span class=""></span>'
numbers = c("", "?", "3")
colors = c("red", "blue", "green", "yellow", "gray")
for (color in colors){
    cat("- ")
    for (number in numbers){
        out = whisker.render(temp)
        cat(out)
    }
    cat("\n")
}
cat("\n")
}
```

Some Useful HTML iframe: displaying a web page within a web page <iframe: src="http://twconf.data-sci.org/" height=600 width=800></iframe> img: inserting images into an HTML document. Much easier for adjusting width and height.

