

TÉCNICAS Y HERRAMIENTAS MODERNAS I

AÑO: 2025

INTEGRANTES:

- | | |
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CLASE 1: 12/03/2025

Como primera herramienta se puede usar google docs. Habilitando desde la pestaña “herramienta” se habilita dictado por voz que va a permitir el dictado de información y lo convierte a texto.

Luego habilitamos la función de “Mark down”

Con asterisco delante y atrás de una oración, ponemos el texto en (*) *cursiva*. (*)

Con una cierta cantidad de hashtags (#) delante de la oración y enter, teniendo en cuenta que la primera letra esté en MAYÚSCULA, se me indica el número de encabezado.

Encabezado

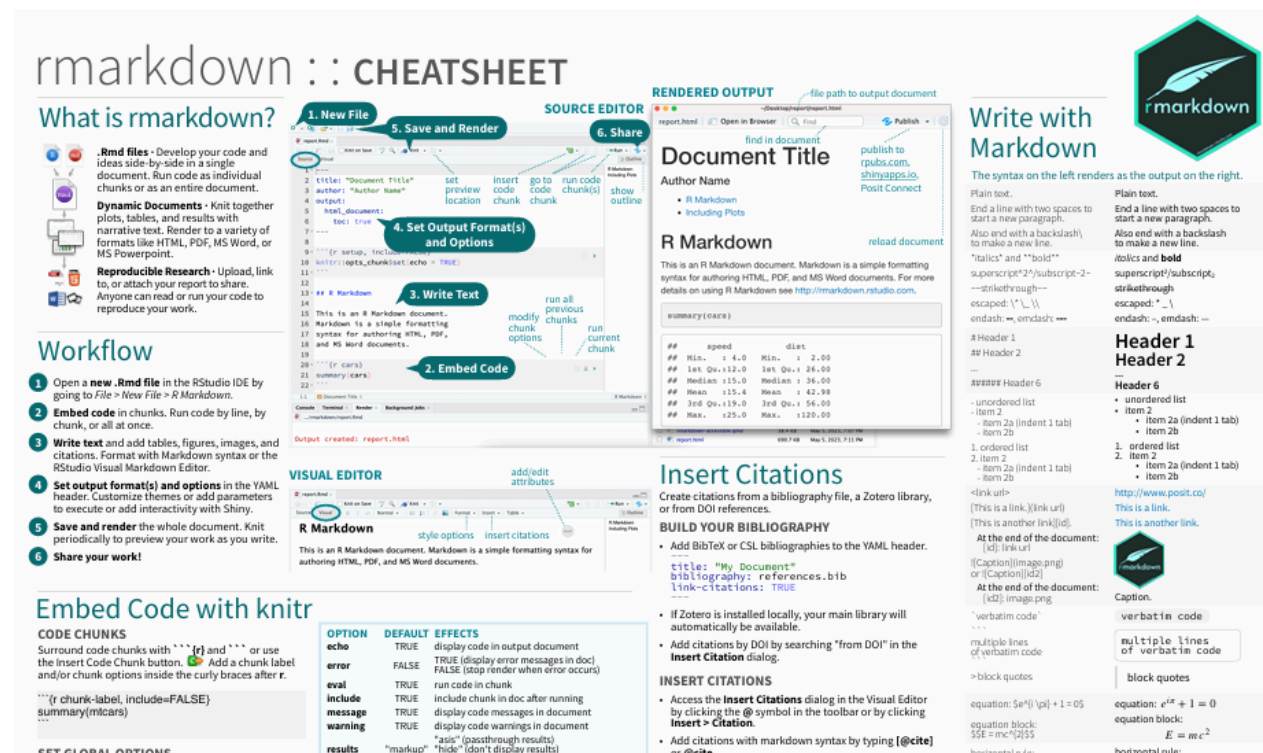
Para colocar una viñeta circular, debemos colocar un asterisco seguido de la barra de espacio

•

Con markdown cheatsheet, podemos usar atajos para escribir más rápido. A esto se llama lenguaje de marcas. Trabajamos con el título, subtítulo, cuadros

TITULO

Subtítulo



rmarkdown: CHEATSHEET

What is rmarkdown?

- .Rmd files** - Develop your code and ideas side-by-side in a single document. Run code as individual chunks or as an entire document.
- Dynamic Documents** - Knit together plots, tables, and results with narrative text. Render to a variety of formats like HTML, PDF, MS Word, or MS Powerpoint.
- Reproducible Research** - Upload, link to, or attach your report to share. Anyone can read or run your code to reproduce your work.

Workflow

1. Open a new .Rmd file in the RStudio IDE by going to File > New File > R Markdown.
2. Embed code in chunks. Run code by line, by chunk, or all at once.
3. Write text and add tables, figures, images, and citations. Format with Markdown syntax or the RStudio Visual Markdown Editor.
4. Set output format(s) and options in the YAML header. Customize themes or add parameters to execute or add interactivity with Shiny.
5. Save and render the whole document. Knit periodically to preview your work as you write.
6. Share your work!

Embed Code with knitr

CODE CHUNKS

Surround code chunks with ````{r}` and ````` or use the Insert Code Chunk button. Add a chunk label and/or chunk options inside the curly braces after `r`.

```
```{r chunk-label, include=FALSE}
summary(mtcars)
```
```

SET GLOBAL OPTIONS

| OPTION | DEFAULT | EFFECTS |
|---------|----------|---|
| echo | TRUE | display code in output document |
| error | FALSE | TRUE (display error messages in doc)
FALSE (stop render when error occurs) |
| eval | TRUE | run code in chunk |
| include | TRUE | include chunk in doc after running |
| message | FALSE | display code messages in document |
| warning | TRUE | display code warnings in document |
| results | "markup" | "asis" (passthrough results)
"hide" (don't display results) |

Visual Editor

Insert Citations

Create citations from a bibliography file, a Zotero library, or from DOI references.

BUILD YOUR BIBLIOGRAPHY

- Add BibTeX or CSL bibliographies to the YAML header.
- If Zotero is installed locally, your main library will automatically be available.
- Add citations by DOI by searching "from DOI" in the Insert Citation dialog.

INSERT CITATIONS

- Access the Insert Citations dialog in the Visual Editor by clicking the @ symbol in the toolbar or by clicking Insert > Citation.
- Add citations with markdown syntax by typing `[@cite]` or `@cite`.

Write with Markdown

The syntax on the left renders as the output on the right.

Plain text.

End a line with two spaces to start a new paragraph.
Also end with a backslash to make a new line.

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End a line with two spaces to start a new paragraph.
Also end with a backslash to make a new line.

Header 1

Header 2

Header 6

- unordered list
 - item 2a (indent 1 tab)
 - item 2b
- 1. ordered list
 - 2. item 2
 - item 2a (indent 1 tab)
 - item 2b
 - item 2b

Equation Block

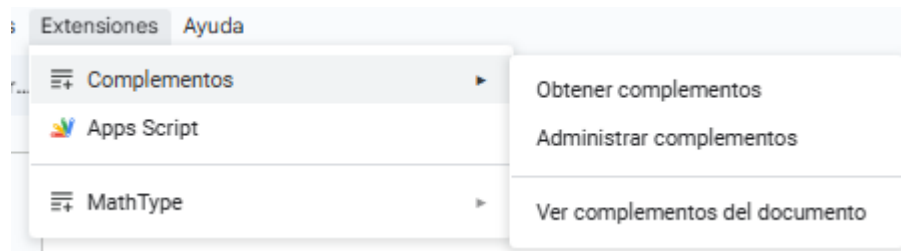
equation:
$$E = mc^2$$

equation block:
$$E = mc^2$$

equation:
$$E = mc^2$$

equation block:
$$E = mc^2$$

Luego en la pestaña de extensiones ingresamos a complementos y descargamos la herramienta de Math LaTeX. Esta se abre desde extensiones, la cual nos ayuda a colocar ecuaciones de manera sencilla y clara.



Para hacer un cuadro hay que pegar como Markdown.

| Right | Left | Default | Center |
|-------|------|---------|--------|
| 12 | 12 | 12 | 12 |
| 123 | 123 | 123 | 123 |
| 1 | 1 | 1 | 1 |

Se conversó en clase sobre distintos medios para transmitir mensajes en distintas frecuencias.

Finalmente se mencionaron las Revoluciones industriales