

Quarto Cheat Sheet

Reproducible reports in Quarto on one page — from Rverse Analytics

A Quarto `.qmd` document mixes Markdown prose with code chunks; rendering runs the code and builds a finished HTML, PDF or Word document. Learn it interactively at rverseanalytics.com/learn-quarto.

Anatomy of a document

```
---
title: "My Report"
format: html
---

## A section

Narrative text in Markdown.

```{r}
mean(c(1, 2, 3))
```
```

Three parts: the YAML header (between `---`), Markdown text, and code chunks (````{r}`).

YAML header essentials

| Field | Effect |
|--|---------------------------|
| <code>format: html / pdf / docx / typst</code> | output type |
| <code>toc: true</code> | table of contents |
| <code>number-sections: true</code> | numbered headings |
| <code>theme: cosmo</code> | one of 25+ HTML themes |
| <code>code-fold: true</code> | hide code behind a toggle |
| <code>date: today</code> | auto-fill the render date |

Chunk options (on `#|` lines)

| Option | Effect |
|--|--------------------------------------|
| <code># echo: false</code> | run the code, hide the source |
| <code># eval: false</code> | show the code, don't run it |
| <code># include: false</code> | run, but show nothing (setup chunks) |
| <code># warning: false</code> | suppress warnings |
| <code># label: fig-x + # fig-cap: "..."</code> | caption & number a figure |
| <code># fig-width: 7</code> | figure width in inches |

Cross-references

| Define | Reference |
|--|---------------------------------------|
| <code>#\ label: fig-trend</code> | <code>@fig-trend</code> → “Figure 1” |
| <code>#\ label: tbl-summary</code> | <code>@tbl-summary</code> → “Table 1” |
| <code>## Methods {#sec-methods}</code> | <code>@sec-methods</code> |

Render & publish

| Command | Does |
|--|------------------------------|
| <code>quarto render report.qmd</code> | build all listed formats |
| <code>quarto render report.qmd --to pdf</code> | build one format |
| <code>quarto preview</code> | live-reloading local preview |
| <code>quarto publish quarto-pub</code> | publish to the web |

*Free interactive Quarto & Markdown courses, R tutorials and statistics calculators at **rverseanalytics.com**. Rverse Analytics — R consulting for analysis, Shiny apps and reproducible reporting.*