

Test Quarto Book

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Preface

This is my first Quarto book. For now, I'm just using it for some experimentation. Eventually, I will probably want to add all of this to a GitHub repository. Right now, Olivia is in class and I'm content with just experimenting a little bit.

This is **not** my new R Notes book; although, I may move R Notes over to Quarto at some point. This is purely just a sandbox for playing with Quarto books.

Useful websites:

- [Quarto book documentation](#)

Rendering

You can render the files by clicking the Render button in RStudio. To render the HTML and PDF files at the same time, type `quarto render` into the terminal. You can also render Quarto files with a native R code chunk.

- The input argument: The input file or project directory to be rendered (defaults to rendering the project in the current working directory).
- The `output_format` argument: Target output format (defaults to “html”). The option “all” will render all formats defined within the file or project.

```
```{r}
#| Render with R
#| eval: false
quarto::quarto_render(output_format = "all")
```
```

Publishing to GitHub pages

[This article is great.](#)

- Make sure you are on the main branch.
- After rendering (see above), make sure to save and **commit** your changes to GitHub.
- Type `quarto publish gh-pages` in the terminal.

Part I

Book Options

This part of the book contains qmd files pertaining to book options. I'm mostly creating this file to demonstrate how the (optional) book part qmd files work.

1 Book Options

A collection of notes on Quarto book options.

- [Link to list of book options](#)
- How do you add a cover image? Look at [r4ds](#).
 - `cover-image: cover.jpg`
- How do you add last date rendered to the `_quarto.yml` file? “`r Sys.Date()`” doesn’t seem to work.
 - [Use the keyword today](#)
- Can I add links to GitHub and/or social media?
 - Still need an answer here.
- Can I add links to the GitHub repo containing the books files?
 - Yes. See <https://quarto.org/docs/books/book-output.html#sidebar-tools>
- How do I add a favicon?
 - `favicon: cover.jpg`
- How do I add Google analytics?
 - Still need an answer here.
- Can I add a Google analytics badge to my GitHub README?
 - Still need an answer here.
- How do I preview the book in my web browser instead of RStudio’s Viewer pane?
 - Just click the little gear icon next to the **Render** button in RStudio. Select **Preview in Window**.

2 Other little things

2.1 Pros and cons

Some of the things I like about working with Quarto (as opposed to bookdown) so far

- A preview of the book renders automatically.
- I can easily render only one chapter by opening that chapter's qmd file and clicking the Render button.

Part II

Authoring

3 Adding call out boxes

In R4Epi, we sometimes add special boxes for side notes and warnings. How do we add those into qmd books?

What do those boxes look like when we render the book to pdf format?

Does Quarto have some built-in boxes? It looks like it might?

- How do you add the call out boxes (i.e., important, etc.)?
 - See [Quarto documentation on callout blocks](#)

```
::: callout-note
Note that there are five types of callouts, including: `note`, `tip`, `warning`, `caution`, and `important`.
:::
```

 Note

Note that there are five types of callouts, including: **note**, **tip**, **warning**, **caution**, and **important**.

```
::: callout-warning
Callouts provide a simple way to attract attention, for example, to this warning.
:::
```

 Warning

Callouts provide a simple way to attract attention, for example, to this warning.

```
::: callout-important
## This is Important

Danger, callouts will really improve your writing.
:::
```

! This is Important

Danger, callouts will really improve your writing.

```
::: callout-tip  
## Tip With Title
```

This is an example of a callout with a title.
:::

💡 Tip With Title

This is an example of a callout with a title.

```
::: {.callout-caution collapse="true"}  
## Expand To Learn About Collapse
```

This is an example of a 'collapsed' caution callout that can be expanded by the user. You can
:::

🔥 Expand To Learn About Collapse

This is an example of a 'collapsed' caution callout that can be expanded by the user. You can use `collapse="true"` to collapse it by default or `collapse="false"` to make a collapsible callout that is expanded by default.

4 Cross References

When authoring the book, it is common to need to cross reference book parts (i.e., chapters, sections), figures, tables, and I’m going to go ahead and include citations here too.

4.1 Book parts

[Link to the official documentation](#). Briefly, there are two methods that I’m likely to use.

4.1.1 Reference a chapter

First, you need to make a chapter/section heading available to be referenced by adding `{#sec-}` behind the header. For example:

```
# Images {#sec-images}
```

Then to reference it you type `@sec-`. For example:

```
See @sec-images to learn about images.
```

Which looks like this: See Chapter ?? to learn about images.

! Label Prefix

For a chapter to be cross-referenceable, its label must start with the `sec-` prefix.

! Chapter in __quarto.yml

For a chapter to be cross-referenceable, it must be listed in `__quarto.yml`.

If I don’t want `@sec-images` to automatically be replaced with **Chapter 7** – for example, I want it to say **the images chapter** instead – then I think I will need to use hyperlinks (below). For example,