

# Setting up Quarto

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Figure 1: quarto

## 1 Introduction

Quarto is an extension of the Rmarkdown ecosystem. It leverages the power of **Pandoc**. From my perspective it provides a number of useful additional tools for literate programming and blogging.

I'm using quarto for my lab's home page with an embedded blog. [rgtlab blog](#).

References:

Useful archive:

mcanouil/awesome-quarto: [A curated list of Quarto talks, tools, examples & articles!](#) Contributions welcome!

Consider some ideas from

- Rob Hyndman - [Template of quarto website](#)

- Eric Ekholm - [Modifying the Default Quarto Blog Structure](#)
- Allison Hill - [We don't talk about Quarto](#)
- Nick Tierney - [Notes on Changing from Rmarkdown/Bookdown to Quarto](#)

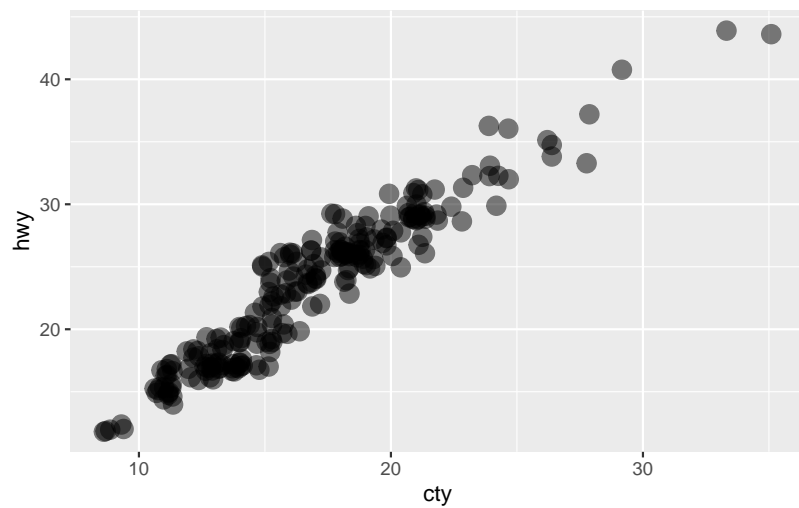
This post will include some of the most useful and interesting quarto tools presented in the context of a **Palmer Penguins** data set analysis.

## 2 - Code

This is `inline` code plus a small code chunk.

```
library(tidyverse)

ggplot(mpg) +
  geom_jitter(aes(cty, hwy), size = 4, alpha = 0.5)
```



## 2.0.1 - Tabsets

## 2.0.2 - Some math stuff

$$\int_0^1 f(x) \, dx$$

## 2.1 2 - Columns

```
geom_density(  
  mapping = NULL,  
  data = NULL,  
  stat = "density",  
  position = "identity",  
  ...,  
  na.rm = FALSE,  
  orientation = NA,  
  show.legend = NA,  
  inherit.aes = TRUE,  
  outline.type = "upper"  
)  
  
stat_density(  
  mapping = NULL,  
  data = NULL,  
  geom = "area",  
  position = "stack",  
  ...,  
  bw = "nrd0",  
  adjust = 1,  
  kernel = "gaussian",  
  n = 512,  
  trim = FALSE,  
  na.rm = FALSE,  
  orientation = NA,  
  show.legend = NA,  
  inherit.aes = TRUE  
)
```

## 2.2 2 - Margin captions

Start with running quarto create-project at ~/prj level

```
quarto create-project qblog --type website:blog  
  
Creating project at /Users/zenn/Dropbox/prj/qblog:  
- Created _quarto.yml  
- Created index.qmd  
- Created posts/welcome/index.qmd  
- Created posts/post-with-code/index.qmd
```

```
- Created about.qmd
- Created styles.css
- Created posts/_metadata.yml
```

```
- cd to ~/qblog/posts/
- create a new directory, say setupquarto
- cd to ~/qblog/posts/setupquarto
- vim index.qmd
```

To create a minimal shell of a blog type:

```
> quarto create-project minimal_blog --type website:blog
```

This creates the following file structure:

```
> tree -L 2 --charset unicode
.
|-- _quarto.yml
|-- _site
|   |-- about.html
|   |-- index.html
|   |-- listings.json
|   |-- posts
|   |-- profile.jpg
|   |-- search.json
|   |-- site_libs
|   `-- styles.css
|-- about.qmd
|-- index.qmd
|-- posts
|   |-- _metadata.yml
|   |-- post-with-code
|   `-- welcome
|-- profile.jpg
`-- styles.css
```

Contrast to Rob Heyneman's template blog:

```
> tree -L 1 --charset unicode
.
|-- _quarto.yml
|-- _site
|-- about
|-- blog
|-- header.html
|-- index.qmd
|-- mariecurie.png
|-- publications
|-- quartoweb.Rproj
|-- software
|-- styles.css
|-- talks
`-- teaching
```