

# Setting up Quarto

Ronald (Ryy) Glenn Thomas

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## 1 Introduction

Quarto is an extension of the Rmarkdown ecosystem. It leverages the power of knitr and `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. ([focusonR](#)).

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

To start a blog, say `qblog`, begin by running `quarto create-project` at the `~/prj` level

```
quarto create-project qblog --type website:blog
```

This generates a project folder `~/prj/qblog`:  
- `cd` to `~/prj/qblog/posts/`  
- for the first post, create a new directory, say `setupquarto`  
- `cd` to `~/prj/qblog/posts/setupquarto`  
- edit the `index.qmd` file and add `content.vim` `index.qmd`



Figure 1: quarto

The framework for a quarto blog can be quite minimal. For example the following set of files is sufficient to start a useful blog:

```
.
|-- _quarto.yml
|-- index.qmd
`-- posts
    |-- index.qmd
    |-- setup_R_vimtex_ultisnips
    |-- img
    |   |-- vimR.png
    |-- index.qmd
```

with file contents:

---

**Listing 1** \_quarto.yml

---

```
project:
  type: website
website:
  title: "Thomas Lab home page"
  site-url: https://focusnr.org
  repo-url: https://github.com/rgt47/qblog
  open-graph: true
  navbar:
    background: "#182b49"
    foreground: "#C69214"
    left:
      - href: posts/index.qmd
        text: Blog
    right:
      - icon: github
        href: https://github.com/rgt47
  page-footer:
    left: "Copyright 2023, Ronald G. Thomas"
format:
  html:
    theme: cosmo
```

---

---

**Listing 2** index.qmd

---

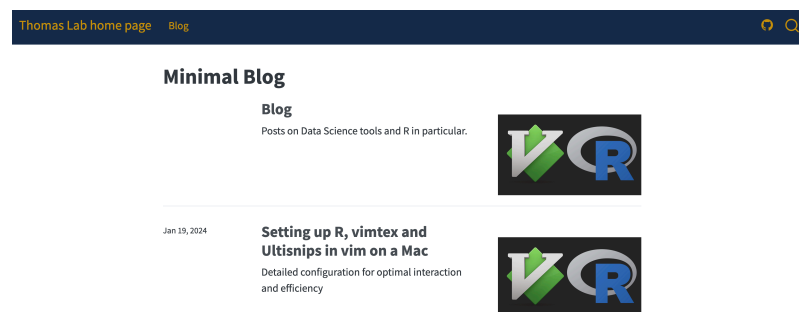
```
---  
title: "Minimal Blog"  
listing:  
  contents: posts  
---
```

---

**Listing 3** posts/index.qmd

---

```
---  
title: "Blog"  
description: Posts on Data Science tools and R in particular.  
listing:  
  contents: .  
  type: default  
---
```



References:

Useful archive:

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

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 Rmark-down/Bookdown to Quarto](#)