

User Guide: Annual Review Article Topic

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Assignment Flow

This project is set up to scaffold this user guide and set you up for success.

Start at `topic.qmd` and identify a topic for your user guide.

Once you've proposed a topic and received my approval/feedback, you can convert the contents of `topic.qmd` into an introductory paragraph in your report. Please leave the `topic.qmd` file as an appendix, to document the different stages of this project.

Once we've agreed on a topic for your user guide, you will proceed to `needs.qmd` and `task-analysis.qmd`. Both will be submitted at the same check-in, and both will be included in your final report as appendices. You should be able to re-purpose most of the information in `task-analysis.qmd` to orient the user to different components of the task you've chosen.

Your next step is to actually write the content that satisfies the work you outlined in `task-analysis.qmd`.

Once you're finished with that, ideally, you'll have plenty of time to edit and streamline your report. Feel free to trade reports with a friend and try to complete your friend's task - this will help you both identify areas where the guide isn't as clear. Try to complete the task with a different data set - that often helps find trouble spots.

When you submit your final report, you may remove `index.qmd` from the `_quarto.yml` file, which will remove this chapter (which is quite unnecessary for your user) from the report. You should also take the time to make sure your name is listed as both author and copyright holder in the `_quarto.yml` file. Feel free to make a custom cover for your manual if you would like to do so. You can also tweak the CSS/theme for the book, so long as you're conscious of accessibility concerns.

Building the report

If you are using RStudio to complete this report, you can hit (Ctrl/Cmd)-Shift-B to build the whole report. You can also type `quarto render .` on the command line in the project folder to accomplish the same thing.

If you have questions about how to customize or debug your book, it may be helpful to start at the quarto book documentation (Posit PBC 2024).

1 User Guide

First off, you should change this section title to something more appropriate.

Next, well, that's up to you. Good luck!

References

Posit PBC. 2024. “Creating a Book. Quarto.” July 1, 2024. <https://quarto.org/docs/books/>.

A Topic

Pick some subset of the information covered in your annual review article that you are interested in exploring in more detail.

Identify the scope of your user guide - what will you cover? Specific software packages? When to use or not to use a specific technique?

My topic will be communicating risks of Hurricanes

I'll cover the basic visual rules the article gives to how visualizing risk should be done I'll also cover what should be highlighted when communicating risks of Hurricanes specifically with the use of geographical hazard maps

The software package I first thought that would work was the maps package, here you can use the storms dataframe built into the tidyverse package A very easy to use software package I found that work with natural disasters is the hurricaneexposure package

B Needs Assessment

What does someone trying to accomplish your chosen task need help with?

What parts are likely to be tricky?

What resources are already available on this topic that may be helpful? Look for e.g. software vignettes, package documentation, papers about software packages, and so on.

C Task Analysis

Here are some questions to guide you through the process of doing a task analysis. You don't have to specifically answer each one of these (and some may not apply), but they should get you started thinking in the right direction.

What are the prerequisites, for both knowledge and e.g. software setup?

What are the basic requirements for any data that the method is used on? - Are missing values allowed? - Should the data be confined within a certain range? - Does the data have to be approximately normally distributed?

What are the basic components of the task? - Outline these in a bit more detail

What decisions does the user need to be prepared to make on the fly?

What questions should the user ask of the “first draft” of the product? What adjustments may need to be made?

C.1 Additional Guidance

Your check-in should answer these basic questions (and similar concerns that apply more directly to your topic).

Once you've completed the check-in, you can use this section to jump-start an introduction/setup/getting started section in your user guide. This document should remain as an appendix to your main report.