Final project

EVR 628- Intro to Environmental Data Science

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The big picture

Remember that the final goal is to have a GitHub repository where you can showcase your work. In assignment 1 you created the repository. Assignment two required you to develop one R script to clean some data in that same repository. For your third assignment, you visualized the data cleaned in assignment two. Your fourth and final assignment had you produce a map of your "study site", broadly defined. **This is now your final project, where you will combine everything you have produced into a communication product (presentation or a report).** This final product is worth **10%** of your final grade and is **due on Dec 3 at 11:59 pm.**

Your final project

Task: Use quarto markdown to produce a document (presentation or report) highlighting your results. Then, make sure your GitHub repository is organized, clean, and ready to be shared.

You should produce a quarto markdown document that meets the following:

- ☐ (10%) Is called `final_report.qmd` or `final_presentation.qmd` and is saved to your `docs/` folder[1] [2]. Presentations must use the revealjs output. Documents may be html or pdf.
- ☐ (10%) The `YAML` header includes:
  - ☐ A clear and concise title
  - ☐ A subtitle
  - ☐ Your full name
- ☐ (50%) Have the following section headers / slides: Introduction[3], Objec-

[1] You might need to create this folder

[2] Remember that you will have to use the `here()` function from the `here` package.

[3] Your introduction should give your reader background information.

tive(s)[4], Data sources[5], Data processing[6], Main findings[7], and References[8]. Each section should have a brief description. One paragraph may be enough, but feel free to write as much as you need to.

- ☐ (10%) You include at least two figures[9]:
  - ☐ One of those **must** be the map from Assignment 4. The other one may be one from Assignment 3, or a figure that you generate directly in the document.
  - ☐ All figures should include a figure caption.[10]
- ☐ (5%) You must use inline code at least once to present information from your data.
- ☐ (5%) No code or code-related warnings or messages appear in your final product.
- ☐ (5%) I can render your document without needing to modify your code.

Finally, for 5%, your README file includes a link to your final rendered document (that is, the html or the pdf file generated).

[4] Your objective should state the question you seek to answer. You wrote something related to it in your README during Assignment 1.

[5] Where do your data come from? How many data sets do you have? What are the types of variables included in your data?

[6] How did you go from raw data to meeting your objectives? What filters or data modifications did your perform?

[7] The answer to your questions

[8] If you cite work, I suggest that you leverage quarto's automatic referencing

[9] Read more about figure sizing here.

[10] If you are producing a PDF, you may want to read about figure position in quarto markdown's documentation.