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 root directoryr. 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[1], Objec-

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

tive(s)[2], Data sources[3], Data processing[4], Main findings[5], and References[6]. 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[7]:
   ☐ 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.[8]
☐ (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).

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

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

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

[5]The answer to your questions

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

[7]Read more about figure sizing here.

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