# Astra

I am Astra. Congratulations on the great progress of the OER project! Thanks for sharing the updates with me. I am not familiar with the knowledge structure of SPPH 604, but in a reader’s view, based on my understanding about the materials, I have some suggestion about the current skeleton website:

1) In the first chapter Data Wrangling, due to the similar topic, could we put the section Import External Data after the section Importing Dataset or even merge them in one section?

2) In Data Accessing chapter, is it necessary to introduce the CCHS datafile and components before importing them to R, like what you did for NHANES data?

3) I think we should move the guidance for downloading R and Rstudio (In Data Accessing -> Importing CCHS Data to R -> Processing Data in R) to the very beginning of the R introduction chapter. Similarly, there is a subsection of writing a simple function in R in Predictive Factors -> Overfitting and Performance -> Writing Function, I would suggest putting it in the R basic section.

4) In some of the sections, I would expect a brief definition/explanation of terminologies or the description of the method at the beginning of the section. (i.e. section Cross-Validation, Bootstrap in the chapter Predictive Factors ; sections Mediator, Collider, Z-bias, Collapsibility in the chapter Confounding and Bias). A good example here I think is the section MID in Missing Data Analysis.

5) In the chapter Propensity Score, do we need a section for the introduction of propensity score methods and application?

All the other parts look very good to me as an initial skeleton, especially the Machine Learning chapter. The solid examples, R coding and graphs, and the summary texts provide the comprehensive knowledge point to the readers.

# Fardowsa

In general, I think each section requires more details for readability, but I recognize this is just the skeleton.

Suggestions on website

* Bullet points in 2nd paragraph of project summary should be list.
* Incorporate a similar, detailed introductory page for each module (e.g., similar to that for data wrangling) when you press each module title.
* Suggest adding section on nested loops.
* Provide more details on how function and loop is working. This may not be as intuitive to students.
* Provide description of dataset structure: what is chr? What is int? what is num?
* Use more clear subtitles. Currently hard to delineate sub-sections e.g., Nhanes data section.
* Describe what squared Spearman correlation coefficients is.
* I think at least one sentence should be incorporated at the end of each analysis section so reader understands what the output shows.
* Suggest including a “demystifying CCHS” section.
* Proof-reading required and some rephrasing to improve readability: (e.g., purpose under subpopulations, ‘cross vaildation’)
* Supplementary materials could include: other websites to learn R, R cheat sheets to download, articles that applied each method well with a brief summary of the study.
* Rename ‘research question’ as “creating an analytic dataset”

# Suborna S. Ahmed

## Self-assessment quizzes

I like the idea of adding self-assessment quizzes for the open book. I conducted educational research on utilizing self-assessment quizzes for mastery learning. You can take a look at two modules on [UBC Wiki](https://wiki.ubc.ca/Course:FRST_231_DE/Statistical_Measures_and_Tools_of_Descriptive_Statistics). For the self-evaluation quizzes, we need to provide some guidelines to proceed with the quiz and help them achieve their learning goal.

## Project Summary

This online book will be accessible to people all over the World, not just the SPPH students. It might be helpful to start with the name of the course rather than “The SPPH 604 (with a computational lab component) was developed… ”. Instead, you can add “Advanced Epidemiological Methods open education resources are developed to….”

1. Is it a project work, or is this an open book? The first page started with the “Project Summary”. If the aim is to develop an open book, add a book summary/introduction and then add a section & sub-sections on the project details. When I click on the section “Introduction” it changes to “Project Summary.”
2. Tenses are mixed: either use past or present tense in sentences to be consistent.
3. It looks odd to start with the book title with an acronym “OER: Advanced Epidemiological Methods.” An alternative could be “Mastering Advanced Epidemiological Methods: Practical Applications and Insights.”

## Contributor list

1. Dr. Karim’s affiliation is not correct. To be consistent, write “Dr. Mohammad.. ”.
2. My affiliation can be written as “Forest Resources Management Department, UBC”. Other members’ affiliations can be updated similarly.

## Import external data

Before adding an R coded chunk, provide a brief description, and after (before) showing the outputs describe them as well to help readers. Do the same for other coded pages. For example, it would be helpful for readers to provide a description of the two diagrams featured on the Z-bias page.

## To add:

At the end of each chapter, if possible, you can add a summary or recap of the main ideas and key points covered.

# Hanna

I think overall the structure of the skeleton website is very well laid-out. I only had a few minor comments:

* Your affiliation is incorrect, I believe.
* Some of the figure labels are difficult to read and could potentially do well with some resizing.
* I cannot click on “Reporting guidelines” on the left-hand side menu, though other chapters are clickable.
* Will there be some sort of summary chapter with “next steps” or topics that students may want to follow up with that this text leads into? I think this would be nice as a sort of wrap-up and to provide some ideas for what else builds onto what students have learned.