Homework Submission FAQ

What do I need to submit?

- PDF document with answers to questions (this should be easy to read / well formatted).
    - Your PDF is your primary submission. If your answer is INCOMPLETE on the PDF, it is INCOMPLETE. Do not expect the grader to search through raw code to try to find your answers!
- .R file or .Rmd file with the code you used to produce the results
    - You will also submit the raw R code that produced the results shown in the PDF file
- Make sure to follow the file naming conventions
    - This makes the graders life easier.
- Do NOT zip your files.
    - The Canvas grading tool requires a document (e.g., PDF) so that we can markup answers and provide feedback.

Should my PDF document include any R code?

In the PDF you are demonstrating mastery of the associated concept. For example, if the problem is primarily about demonstrating your use of R, then R code is appropriate. For example, Homework #1 is all about showing your use of R. For Homework #1, show the line(s) of code you wrote and the output of those lines.

However, most of the responses in later homeworks are NOT about R, but about the analysis itself --- R is just the tool. If for example, the primary goal is to demonstrate your knowledge of statistics or dimension reduction, etc., then make sure you highlight what is important AND comment it. In such cases, we do <u>not</u> want to see large excerpts of code, but rather, the results of your analytics process.

There are so many ways to do things in R, which command(s) do I use?

If the problem explicitly tells you to use a certain command (e.g., plot(), order(), etc.), then you must use that command. If a problem specifies a particular package, then you must use commands from that package.

If a problem does not specify (or only suggests) use of a given command/package, then you can use whatever command/package you prefer.

What does a good PDF submission look like?

Style matters. The goal of the PDF is to provide a high-quality, professional-level concise response to the homework problems. Be thorough, but concise. Spell correctly. Use correct grammar. All graphics/figures should look good.

Your presentation is a reflection on you!

Additionally, any submission should meet the following requirements:

- Easy for TA to tell where each problem starts/ends.
- Plots/figures should be clear and complete.
    - Label plots
    - Do not crop figures in annoying ways (e.g., cropping information).
    - Figures should be legible and sized appropriately for the presentation.
- Do <u>not</u> copy and paste R script comments as your response in the PDF. Just use regular text when explaining your work.

What does a good R script submission look like?

- Clearly identify each problem in R script and also provide comments on what your R code is doing.
- Include all library commands at the top in your submission.