Lecture 10.75: Final and CS2 Tips for Success and Work Time

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BSDS 100 - Intro to Data Science with R

Final Project Reminders

- You must sign up on the final project sign-up sheet by Nov 1
- Final Projects MUST be completed in groups, feel free to use some work time today to find your group
- Final Projects will be due November 29 at 9 AM, no exceptions or extensions!
  - If you have an emergency, please be sure to provide documentation (note: your CASA advisor can send me a confirmation of the emergency as documentation)

Final Project Tips

Don't put it off until the last minute!

- You have from Nov 2 - Nov 28 to work on this project, PLEASE don't wait until Nov 26 to start!
- By November 1 you must:
  - Pick your group
  - Your project from the description sheet (case study, shiny app, ML function)
  - Pick your big question (example: what recommendations for ramen traits would I make to a ramen company?)
  - Find a data set that can be used to answer that question (example: a data base of ramen traits and ratings)

Final Project Tips

From Nov 2 - 28 I recommend:

1. Begin to explore your data. What variables does it have? Where are the observations from? Do any immediate patterns jump out (the 3 point questions from the ramen case study)

2. Explore your data deeply. What can I learn by looking at metrics, tables, and simple plots? (the 5 point questions from the ramen case study)

3. What follow up questions do I need to ask to answer my overarching question? What conclusions can I draw? (the 10 point questions from the ramen case study)

4. Present the information in a easy to follow, professional, manner including visuals and English sentences (case study 2, which focuses on pretty plots and interpretation)

Final Project Tips

A Schedule I recommend to break this down

1. Begin to explore your data. **Finish by Nov 6**

2. Explore your data deeply. **Finish by Nov 13**

3. What follow up questions do I need to ask to answer my overarching question? What conclusions can I draw? **Finish by Nov 20**

4. Present the information in a easy to follow, professional, manner including visuals and English sentences. **Finish by Nov 27**

Final Project Tips

- Please feel free to check in with me as you go! I am happy to let you know whether or not you are on the right track, or point you in the right direction.

- Test your knit periodically as you go. I recommend knitting at least once per code chunk. If you wait until the last day to test knitting, you are likely to encounter unexpected bugs!

- You can break up the work however you want to among your group, but you will be graded on the entirety of what is submitted.
  - I encourage you all to share in the whole process, or at the very least review each others work
  - Your group mates are also a great resource for getting help and bouncing ideas around

Case Study 2 Tips

- You have two weeks to complete (due Nov 8), please don't wait until it's Nov 4 to start!

- You may ask me questions, I am here to help and guide you (not to penalize you). I can't give you the answers, but I can point you to the right resources and give you hints.

- Everything you need is in the lecture slides and notes, you are allowed to use other resources, but you do not need to in order to complete any of the questions

- Use your group members! It's a team effort, and they may have grasped things you missed

- Check your knit early and often! If you wait until the last minute to knit, you'll likely be in for an unpleasant surprise.

Case Study Work Time

Guidelines for Work Time

1. Make sure you can download and load all data, if you can't, I can help!

2. Find your group

3. Work on questions together, and make use of the lecture slides and notes to answer questions as they come up

4. You can ask me questions, especially clarifying questions, but please don't forget to use slides, notes, and group members to empower yourself to answer you own questions! After this semester, I will no longer be around to help you, but these other resources will.