

Course Wrap-Up

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Review

As I began to put a review of the course material together, I realized something. I was not just the instructor for this course. I became a student too - I learned something new about data analysis with every time I prepared course slides, every time I talked to students, and every time I led a class. Teaching data analysis helped me truly learn data analysis.

Review

Now it's time for me to pass the teaching experience on to you. . .

Active Learning Exercise

Each group will be assigned one of the following topics about data analysis:

- ▶ Research questions
- ▶ Data cleaning and exploratory data analysis
- ▶ Statistical modeling and model fit assessment
- ▶ Reproducibility and reporting results

Your group will have to “teach” its assigned topic to the rest of the class and myself. You will have 30 minutes to work together and create slide(s) for teaching your topic. Feel free to include personal beliefs and suggestions regarding your topic, but acknowledge that they are your own opinions.

Once the 30 minutes is up, each group will present their topic. Someone from each group must email me their group's slides after the presentations.

Next Week

Student Presentations!

- ▶ 7 minutes **maximum** plus 1-2 minutes for questions
- ▶ You **MUST** submit your slides to me by the start of the class that you will present in.
- ▶ The assigned final exam time will serve as office hours. Stop by for last-minute assistance with your final projects and/or paper evaluations.
- ▶ Reminder: Paper evaluations and final reports are due May 8th at 11:59 PM.

Resources

The following are resources for expanding your knowledge about data analysis. As you can see, MOOCs, or massive open online courses, have really started to create data analysis courses.

1. Coursera's Data Science Specialization
2. Coursera's Data Analysis and Statistical Inference
3. Udacity's Data Science Degree
4. MIT's Open Course Ware
5. Graduate courses in statistics or biostatistics
6. Completing more data analysis projects