

CMS.594/894- EDUCATION

TECHNOLOGY STUDIO



SPRING 2019



PLAYTESTING YOUR ANALYSIS AND DATA
VISUALIZATIONS

CLASS OUTLINE

- Part 1
 - Sharing your homework with the class and feedback
 - Work on mini-project
- Part 2
 - Keep working on mini-project
 - What did you improve during today's work?
 - Planning for mini-project presentation and submission

SHARE OUT
HOMEWORK WITH
CLASS

DUE TODAY!

- You had to complete your first analysis or data visualizations for today responding to these questions:
 - What is your objective?
 - Fill in with some of the analysis that you completed
 - What did you learn based on this analysis?
- Let's share out the results of each group
 - Be generous and active, feedback to your peers is valuable
 - How can you peers improve their objectives, design or analysis?
 - How can they expand their current work for the final mini-project?

BREAK - PLEASE RETURN IN
10 MINUTES

WORKING ON MINI-PROJECTS

GROUP WORK: MINI-PROJECT #1

Directions:

- Using the feedback received by peers and instructors during today's class, work on implementing improvements to your project
- Instructors are available to answer questions
- You will have almost the rest of the class to work on the project
- At the end of class, you will be expected to share one thing that you were able to improve in your project based on the feedback you received and explain how you made those improvements

SHARE OUT: WHAT DID YOU IMPROVE AND HOW?

- Based on the feedback that you have received today, explain one thing that you were able to improve and explain how you made those improvements

EXTRA RESOURCES:

- [ColorBrewer Palette generator](#)
- [Human Development Index by Country](#)
- [Combat Imbalance Class Machine Learning](#)
- Information Visualization
 - [Fundamentals of Data Visualization](#)
- Finding similar students - clustering
 - Kmeans in [R](#) or [Python](#)

PREPARING FOR THE
NEXT CLASS

DUE NEXT WEEK: FIRST MINI-PROJECT #1

- Full instructions are in the syllabus
- Due before the next class: Report (between 2-5 pages). Upload to course website
 - a. Introduction
 - b. Learning objective
 - c. User and context
 - d. Design and method
 - e. Results of your prototype
 - f. Reproducing your work
- Presentation (10 + 5 of Q/A max), similar to report in format
- Design journal
 - a. Add slide with the link to the presentation
 - b. What would you do with 4 more weeks?

NEXT CLASS AND EXIT TICKET

- Next week's class
 - Presentations of mini-projects
 - If we have some extra time we will review some real-world applications of learning analytics
 - Introduction of next unit: Practice Spaces
- **Please complete an exit ticket**

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