Statistics 4996
Spring 2020

Course objective:
Design, plan, and complete a data-intensive project from start to finish, which will include:

- Indentifying and refining questions to be answered.
- Indentifying and obtaining appropriate data.
- Cleaning the data to correct errors and prepare for analysis.
- Indentifying and executing appropriate analysis.
- Prepare a comprehensive deliverable describing the work and results.
- Present the work and results at an end-of-term conference.

Class information:
Tuesday/Thursday 5-6:15pm in McLeod 2005, 2007, or 1004

Instructor information:

Dr. Jeff Holt	Dr. Gretchen Martinet	Dr. Jordan Rodu
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Halsey Hall 112	Halsey Hall 105	Halsey Hall 104

Prerequisites:
1. Regression (STAT 3220, STAT 5120, or ECON 3720)
2. Statistical programming (STAT 3080 or STAT 3250)

Deliverable:
Each team will prepare a comprehensive deliverable describing their work and results. The format of this deliverable will be discussed during the semester. The deliverable must be submitted to the team's advisor by April 28.

Conference presentation:
The Capstone Conference will be held on Wednesday, April 29, 10am - 3:30pm and will include a provided lunch. Each team will give a 25 minute presentation of their work and results. Each team member must be involved in the presentation. Attendance for the entire conference is required for all students. The conference schedule will be provided in advance of the conference.

Team member evaluations:
During the course of the semester, each student will complete three peer evaluations of themselves, each of their team members individually, and the team as a whole. The team's advisor will compile the comments from all reviews and provide any relevant feedback after each of the first two evaluations. If necessary, a team member's score for the deliverable and conference presentation will be modified to account for lack of completion of the evaluations and/or the information provided in the final evaluation.

Analysis plan and presentation:
Each team will create a detailed plan for analysis using the provided analysis process document. The analysis plan should include a detailed timeline specific to the team and a designated weekly team meeting time. Each team will present their plan for analysis on February 11 or 13. All students are required to attend presentations on both of these dates. The final plan for analysis must be submitted to the team's advisor by March 5. The analysis conducted according to the analysis plan should be complete by April 7.

Time expectation:
Each student is expected to spend a minimum of 6 hours each week engaged with their team's project, either individually or in team meetings. Each team will schedule an additional 30 minute meeting with their advisor each week.

Communication:
Slack will be used for communication among teams and with advisors. Email should not be used except for private personal situations and extenuating circumstances. Resources will be posted on Collab.

Grade distribution:
The grade distribution is:
Deliverable and conference presentation: 75%
Analysis plan and presentation: 25%

Significant dates:

- January 28: Drop deadline
- February 11 & 13: Analysis plan presentations
- March 5: Analysis plan submission deadline
- April 7: Analysis completion
- April 28: Deliverable submission deadline
- April 29: Capstone Conference

Emergencies and serious circumstances:
In the event of an emergency or a serious circumstance, please notify the instructor and/or your dean as soon as possible.

Accommodations:
All students with special needs requiring accommodations should present the appropriate paperwork from the Student Diasability Access Center (SDAC). It is the student's responsibility to present this paperwork in a timely fashion and to follow up with the instructor about the accommodations being offered.