CS490DSC Data Science Capstone Course Introduction

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First things first...

- Website: https://www.cs.purdue.edu/homes/jhonorio/22spring-cs49000dsc.html
  - TAs
  - Learning objectives
  - Textbooks
  - Grading
  - Late policy
  - Schedule

Learning objectives

- Identify the business objectives in a complex real-world problem

- Develop appropriate data science goals and project plan

- Implement the appropriate data pre-processing and analysis models

- Evaluate the above models, and interpret results with respect to the business objectives

- Present the project outcomes through written reports and digital/oral presentations

Lectures

- Do not miss lectures
  - Ask questions when things are unclear
- Slides are available before lecture on the course website and Brightspace
  - Whiteboard notes are also available after lectures
- Lectures will be
  - regular lectures
  - case study
  - your presentations (majority of lectures)
- I might cancel some lectures
  - e.g., due to conferences or visits to universities
  - Check e-mail and course website

Grading

- **Team participation**
  - Business understanding report: 10%
  - Data understanding report: 10%
  - Data preparation report: 10%
  - Modeling report: 20%
  - Evaluation report: 10%
  - Deployment report: 10%
- **Individual participation**
  - Quizzes/attendance: 5%
  - Presentation of team project: 20%
  - Critique to other teams during presentation: 5%

Late policy

- Do not miss any of the 6 team report assignments
  - Check your email and course website
- Assignments that are submitted after the specified deadline will incur a 10% reduction in score per day late
- Submission through Brightspace

Project

- Each team will consist of 6 students
- Start thinking about your team members now!
  - If you do not find a team, I will assign you to a team randomly
- Every team member should make similar effort
  - The first page of each assignment includes the names of the team members and the percentage of effort made by each
- Each team will get assigned a TA
  - Your team will meet regularly with your assigned TA
- More details later

TAs

- Your team will meet regularly with your assigned TA
  - Nikhil Goyal
  - Yonghan Jung
  - Jiacheng Li
  - Syed Mahmood
  - Tanmaya Udupa
- I do not hold regular office hours
- If after interacting with the TA, you still do not understand the material, please contact me asap
  - This has never happened so far in other courses
  - Send me an e-mail and we can arrange a meeting

Piazza

- Ask questions in Piazza

  - Do not ask questions to me or TAs through email, unless your question relates to (possible) inaccuracies in your grades

- Wait up to one business day for an answer

- Never ask questions one business day before an assignment deadline