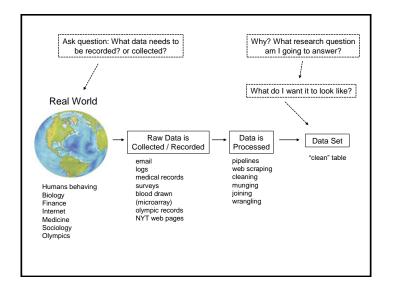
Introduction to Data Science

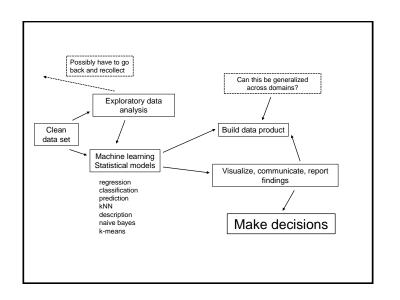
CS 5665
Utah State University
Department of Computer Science
Instructor: Prof. Kyumin Lee

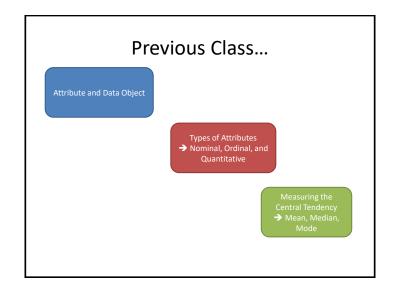
Midterm (Oct. 27)

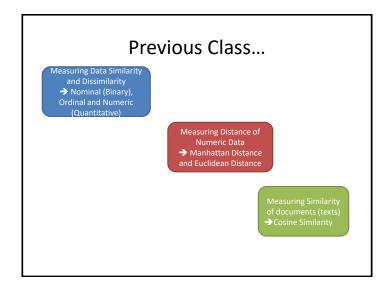
- The midterm exam is closed book.
- You may bring one standard 8.5" by 11" piece of paper with any notes you think appropriate or significant (front and back).
- · No electronic devices allowed.

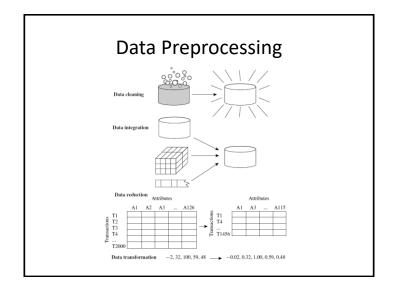
Previous Class... Data Science Process





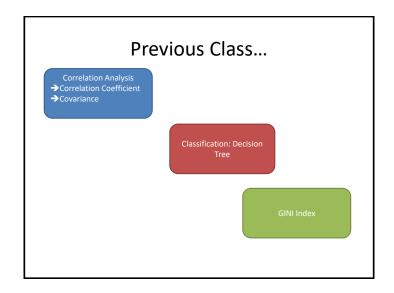


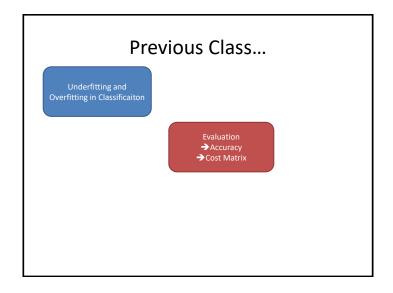


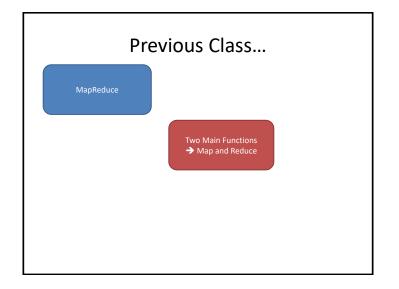


Data Preprocessing

- · Data cleaning
 - Fill in missing values, smooth noisy data, identify or remove outliers, and resolve inconsistencies
- · Data integration
 - Integration of multiple databases/data sources, or files
- Data reduction
 - Dimensionality reduction
 - Numerosity reduction
 - Data compression
- · Data transformation and data discretization
 - Normalization
 - Concept hierarchy generation







Google Glass

- Read https://en.wikipedia.org/wiki/Google_Glass
- Understand What Google Glass is



