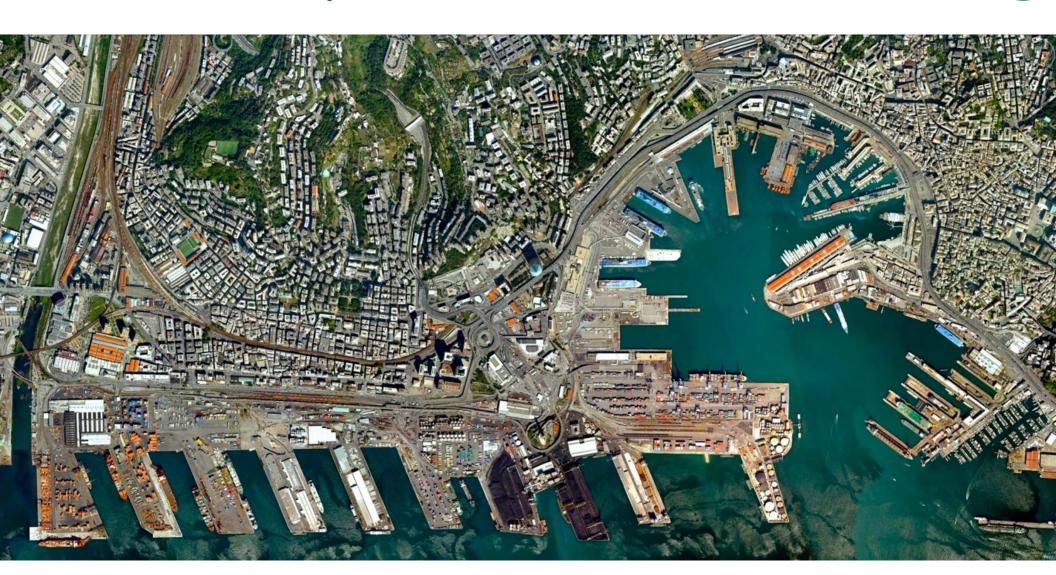
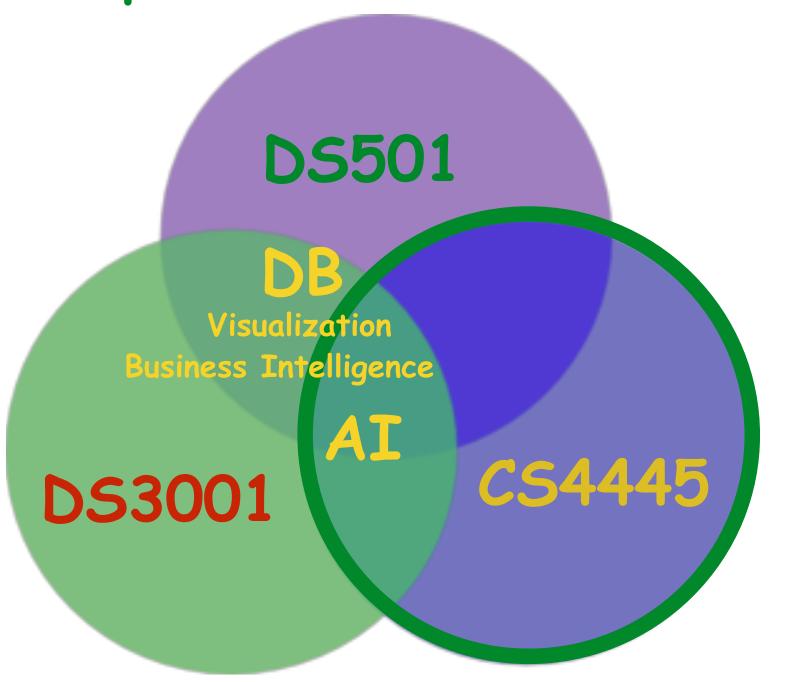
CS4445, CS4803, BCB4003 Data Mining & Knowledge Discovery

Goal of this course A bird's eye view of Data Mining



Overlaps in Course Material



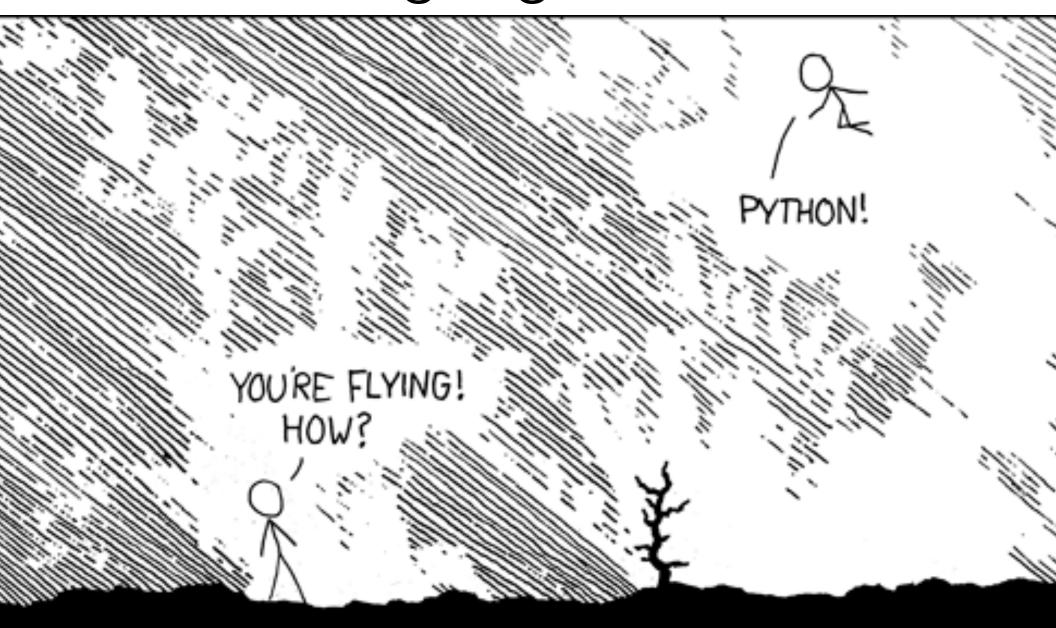
Gear up in the era of Big Data



Math + Tools

Be comfortable with both

Official Language for CS4445



IPython Interactive Computing











Scores

• Homework Assignments: 60%

• Quizzes: 40%

Homework (5X12%=60%)

- 6 Homework Assignments
- the lowest homework score will be dropped
- Need Python 3
- Homework 1 is released TODAY

Quizzes $(10 \times 4\% = 40\%)$

- 12 Quizzes
- 2 lowest quiz scores will be dropped
- No exam.

Course Calendar

Due Dates: homework, quiz

Course Summary:

Date	Details	
Thu Oct 26, 2017	Execture 1	12pm to 1:50pm
Mon Oct 30, 2017	Execture 2	12pm to 1:50pm
	Quiz 1	12pm to 12:10pm
Thu Nov 2, 2017	HW 1 due at 12pm	12am
	Eecture 3	12pm to 1:50pm
	© Quiz2	12pm to 12:10pm
Mon Nov 6, 2017	Example 2 Lecture 4	12pm to 1:50pm
	Quiz 3	12pm to 12:10pm
Tue Nov 7, 2017	Grading of HW1 due	12am
Thu Nov 9, 2017	HW2 due at 12pm	12am
	Ecture 5	12pm to 1:50pm
	Quiz 4	12pm to 12:10pm
Mon Nov 13, 2017	Ecture 6	12pm to 1:50pm
	Quiz 5	12pm to 12:10pm



What is Data Mining?

Data Mining: Why should we care?

Data in Silicon Valley

http://ed.ted.com/on/MYodUMYe





Advertising Programs - Business Solutions - About Google

@2009 - Privacy

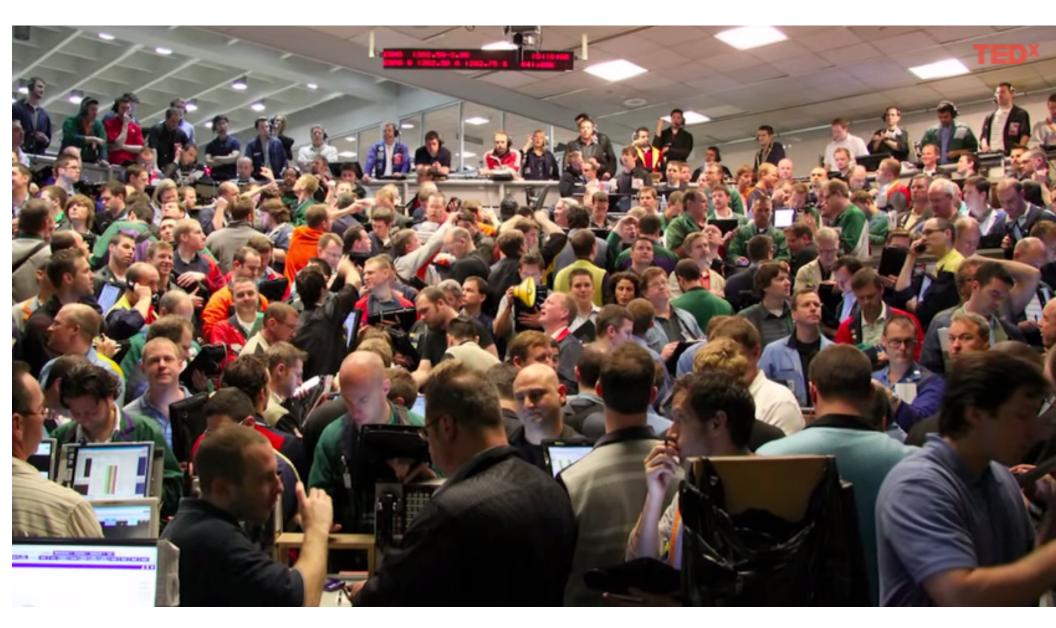




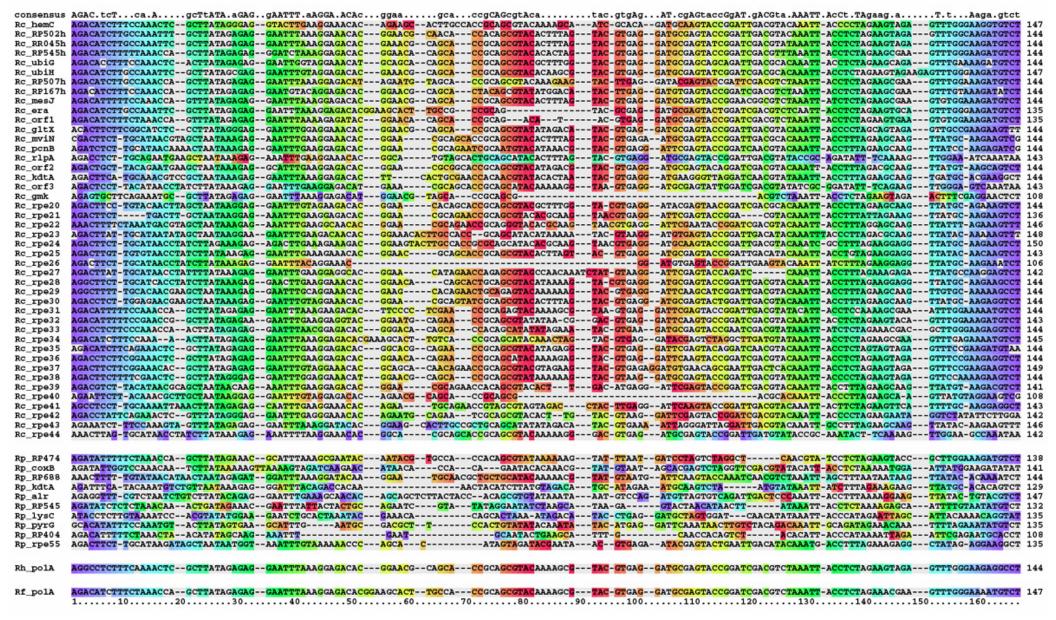




Data in Wall Street



Data in Biomedical Research



BBC documentary

- The Age of Big Data
 - Crime Prevention

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