

CS 7290 – Special Topics in Data Science

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Tentative Syllabus

Week 1 (12-January) Topic: Introduction to the class, what to expect, presentations from Omar/Ken.

Week 2 (19-January) Homework: how to present. Class presentation and discussion.

Week 3 (26-January) Topic: Hamming on learn to learn, Feynman.

Week 4 (2-February) Project proposals. Class presentation and discussion.

Week 5 (9-February) Topic: how to review a paper for a conference and journal.

Week 6 (16-February) Homework: review 1 paper and we discuss results in class.

Week 7 (23-February) Topic: conference paper presentation.

Week 8 (2-March) Homework: conference paper presentation. Class presentation and discussion.

Week 9 (9-March) Topic: Display of quantitative information, visual explanations.

Week 10 (16-March) Midpoint check

Week 11 (23-March) Topic: from research to product, 1-pagers, PR/FAQ (Amazon).

Week 12 (30-March) Homework: industry documents and styles. Class presentation and discussion.

Week 13 (6-April) Topic: Elevator pitch, VC presentation, post-mortems.

Week 14 (13-April) Homework: Elevator pitch, VC presentation

Week 14 (20-April) Final presentations (research style)

Week 15 (27-April) Final presentations (in case we need more time)

Grade: Homework and class participation (30%), Individual project (70%). Individual project == proposal, midpoint check, final presentation.