

Data Mining, CSCI 347, Fall 2019
Special Learning Data Mining, Oct. 11

Chosen topics:

- Stream learning, Carson Fiechtner
- Natural language processing, Hunter Boles
- Tensor flow, Xaavan Dolence
- Imagine mining, Dalton Caron
- Web mining, Keelie Lawler
- Recommender systems, Kaleb Bausch
- Psycholinguistic data mining, Amanda Marinovich
- Mining in adversarial situations, Joseph Weeks

Mining knowledge from data is a burgeoning new technology with new applications emerging. Text mining, web mining, mining images and speech, mining in adversarial situations (junk email filtering for example), recommender systems, and stream mining are examples. Choose an area that interests you.

Prepare a 5 minute presentation, along with a 3-6 page write-up, on this area. In your paper and presentation describe the areas this application addresses, successful case studies, and survey the techniques being tried.

Your write-up should be in your own words, with quotes and descriptions referenced.

Turn in the paper and visual aids (~4 slides to a page, if using slides) before beginning your presentation. Your presentation will be graded using the following form:

Oral Assessment Form

Form updated: 4/21/2014

Course Number: CSCI 347

Semester: Fall 2019

Date: Oct. 11

Presenter:

Evaluator:

Topic:

Audience types: (1) General (2) Peers

Content

1 = Poor, 2 = Needs Improvement, 3 = Good, 4 = Excellent

Material is relevant to topic	1	2	3	4
Topic is explored in depth <ul style="list-style-type: none">• Area addressed	1	2	3	4

<ul style="list-style-type: none"> • Successful case studies • Survey of techniques being tried 	
Student is competent and knowledgeable about topic	1 2 3 4
Reliable sources were used	1 2 3 4

Organization

Clear overview / objectives are given	1 2 3 4
Major issues are covered	1 2 3 4
Presentation has a logical sequence with smooth transitions	1 2 3 4
Clear conclusion or summary is given	1 2 3 4

Delivery

Student projects confidence and mastery	1 2 3 4
Student is relaxed, natural and spontaneous*	1 2 3 4
Student speaks clearly*	1 2 3 4
Appropriate vocabulary and grammar are used	1 2 3 4
Infrequent use of notes are made	1 2 3 4
Students maintains eye contact with audience	1 2 3 4
Effective use is made of visual / technical aids*	1 2 3 4
Presentation is within the time limitations*	1 2 3 4
Answers questions effectively (demonstrates knowledge of topic)	1 2 3 4

* See notes on the back.

Notes

Delivery

- Student is relaxed, natural and spontaneous – the presentation was not rushed
- Student speaks clearly – No um's, ah's, etc.
- Effective use is made of visual / technical aids - Avoid distracting special effects
- Presentation is within the time limitations - The length of the presentation is within the specified times, neither too long nor too short

Comments:

The point breakdown will be:

Presentation (70 points)	
Completeness of presentation content <ul style="list-style-type: none"> ○ Area addressed ○ Successful case studies ○ Survey of techniques being tried 	1 2 3 4
Quality of presentation content	1 2 3 4
Organization of presentation	1 2 3 4
Delivery or presentation	1 2 3 4
Paper (20 points)	
Completeness of paper content	1 2 3 4
Quality of paper content	1 2 3 4
Organization of paper (Title and subheadings are used, paragraphs are cohesive, introductory and concluding paragraph)	1 2 3 4
Mechanics (grammar, spelling, tone and length are appropriate, references are in APA format)	1 2 3 4
Slides (10 points)	
Printer 4 to a page.	