

Data Mining, CSCI 347, Fall 2019
Reflection, Due Dec. 6 at the beginning of class

Please reflect on this course and its project

- Describe what worked well, what did not work well and recommendations for the future
- Consider the topics, homework, tests, presentations and project – discuss what you would like to see remain the same and what you would like to see changed
- Add topics, assignments, presentations, project deliverables that you would like to see added

Topics (indicate if too little, about right, too much):

- Inputs to data mining
- Outputs
- Evaluation and rudimentary rules
- Naïve Bayes statistical algorithm
- Decision trees, entropy and gain ratio
- Covering rules
- Association rules
- Linear models
- Perceptron
- Instance based reasoning
- Clustering
- Data transformations
- Evaluation – holdout and confidence levels
- Ensemble learning – bagging and boosting
- Top learning algorithms
- Ethics

Other topics that you would have liked to cover:

Homework:

- Naïve Bayes to data mining
- Decision trees, info, entropy, info gain
- Jupyter notebook and association rules
- Perceptron
- Instance based learning

Other assignments which would have helped:

Presentations/workshop (repeat next time, neutral, don't repeat next time):

- Case study
- Data sets
- Special learning
- Competition workshop

Other presentations that would have been beneficial:

Project deliverables (use next time, neutral, don't use next time)

- Topic exploration
- Area and major question
- Dataset(s) loaded into a tool and analyzed
- Draft report and presentation
- Final report and presentation