

Admin

Quiz #3: 11/10

Assignment 7: 11/11

Project proposals: 11/11

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What is the data generating distribution?







































Hyperplanes

A hyperplane is line/plane in a high dimensional space



What defines a line? What defines a hyperplane?

42





44















































Other successful classifiers in NLP

Perceptron algorithm

- Linear classifier
- Trains "online"
- Fast and easy to implement
- Often used for tuning parameters (not necessarily for classifying)

Logistic regression classifier (aka Maximum entropy classifier)

- Probabilistic classifier
- Doesn't have the NB constraints
- Performs very well
- More computationally intensive to train than NB

