MSAIL Curriculum Outline

1. Intro
   * Definitions, categories
   * Python/devenv setup
2. Logistic regression, sgd, lda, svm
3. Decision trees, forests, ensembles
4. Deep learning
5. Svd – prereq for pagerank discussion in reading group
6. Financial dataset, linear regression, neural net as a regressor
7. Gmm, kmeans for image compression
8. Knn, naïve bayes – we could see who has the fastest knn algo?
9. …

Data

(Experience)

Learning Algorithm

(Task)

Understanding

(Performance)