Course Project Proposal

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1. ### Project goal:

   Building an improved classifier for entailment relations of adjective-noun (at) and noun (n).
   Example: Black cat |= cat

2. ### Data:
   AN |= N dataset and Distributional Semantic dataset: Baroni et al., 2012

3. ### Evaluation Method:
   Using Precision, Recall and F-score

4. ### Baseline:
   balAPinc measure proposed by Kotlerman et al. (2010)

5. ### Proposed method:

   Building classifiers using different ML techniques (SVM – has been implemented, Neural
   Network – new proposed approach) combining with Distributional Semantics (approximation
   vectors of linguistic meanings of word/phrases) to classify AN-N relationships.

6. ### Sample result chart:

	Accuracy
Baseline	
DS + SVM	
DS + NN	