

# Weekly Update 04/19/2017 - 04/26/2017

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- Worked on Implementing Feature Selection
  - Selects those features that contribute to the final predictions and ignores the rest.
- Worked on implementing a AdaBoost Classifier
  - Used balanced training data with 4000 positive and 4000 negative samples
  - Used train-test split with 80% train set and 20% test set

- Using feature selection we select 101 features out of 188.
- AdaBoost Classifier Results:
  - Precision: 0.922
  - Recall: 0.898
  - F1 Score: 0.909
  - Accuracy: 0.910

# Next Steps

- Test the classifier using K-fold cross validation set
- Test the classifier with different hyper-parameter settings
- Compute the AUC for precision-recall curve