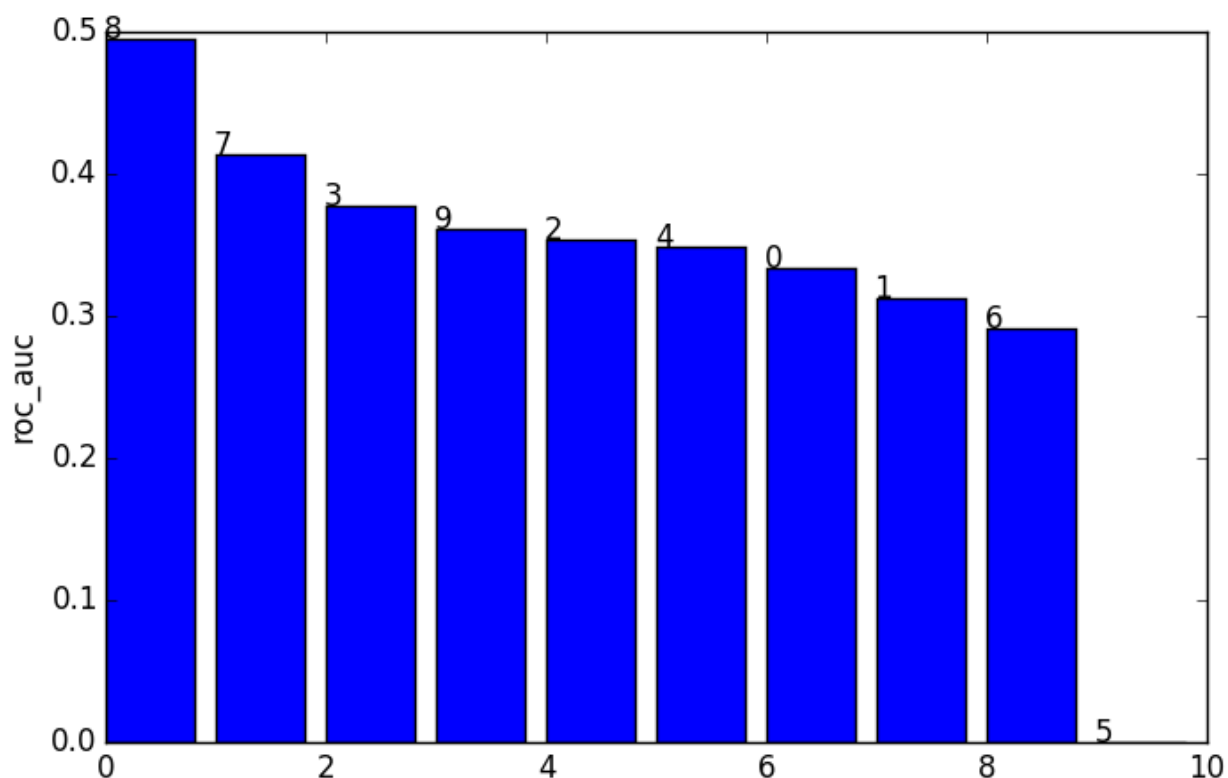# test_report_complex

Eights Report 2015-09-25 12:13:13.804923
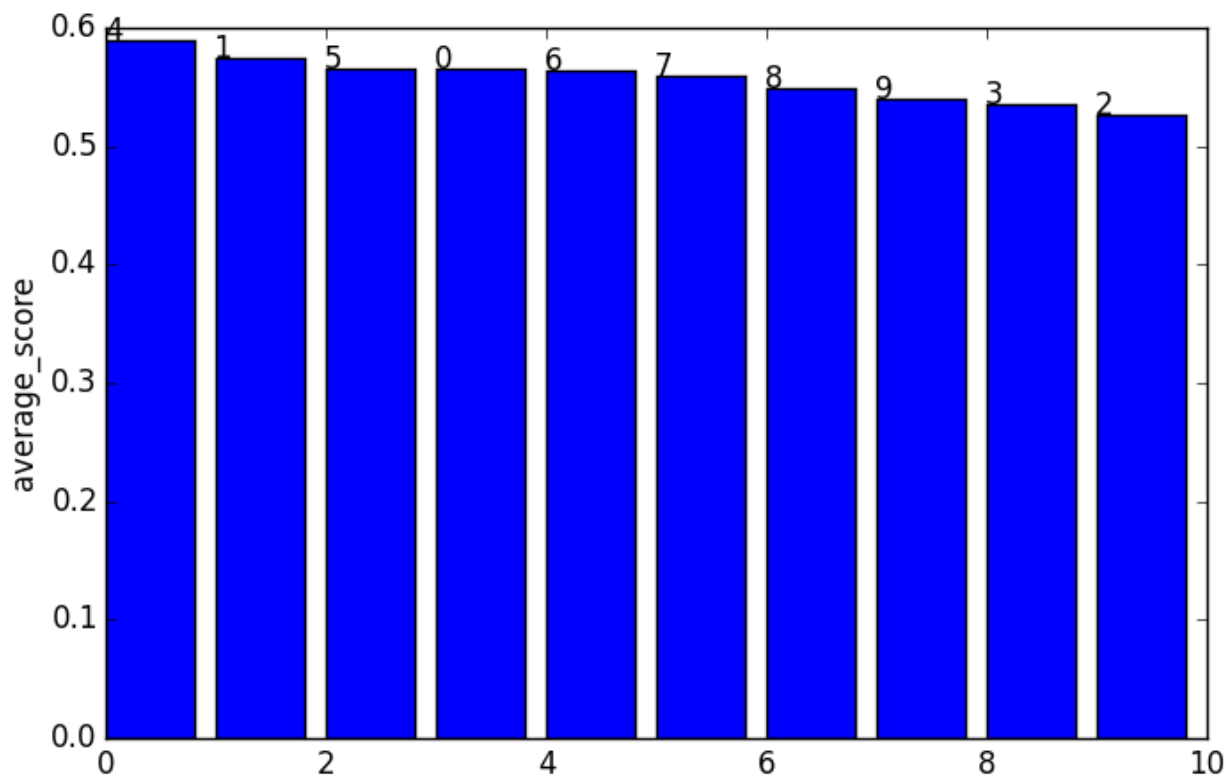
Subreport for classifier = <class 'sklearn.svm.classes.SVC'>

Roc AUCs

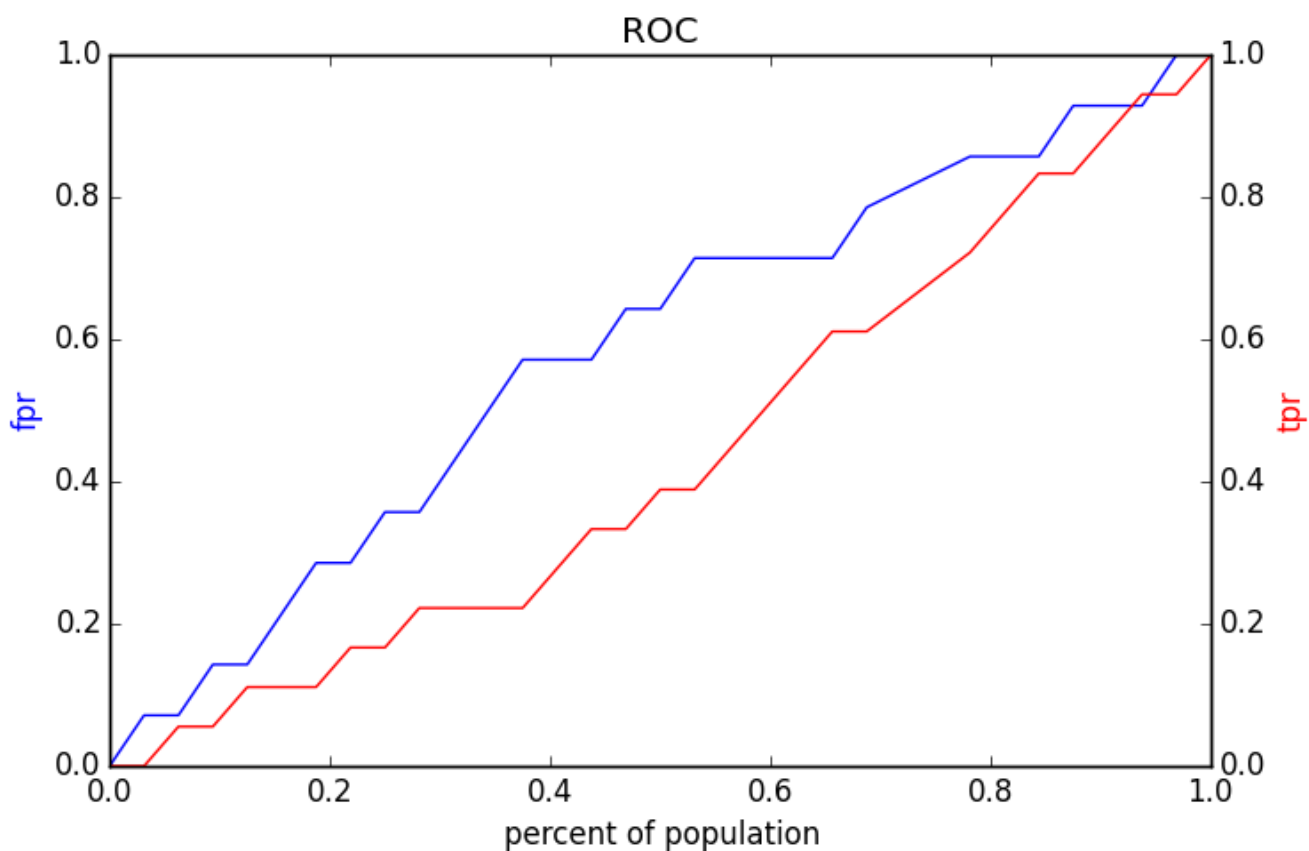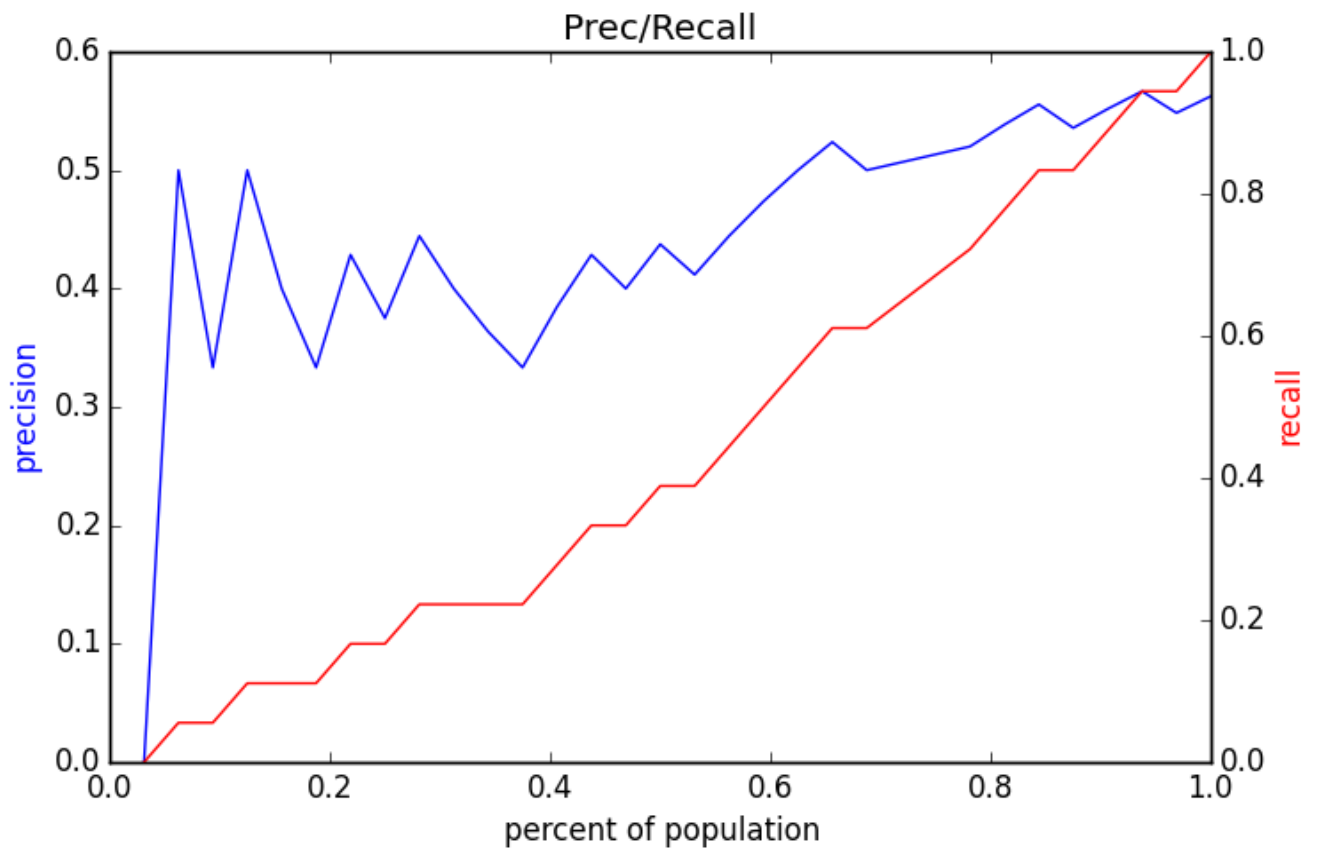**Average Scores**

ROC for best trial

Best trial is trial 4 (Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'linear', 'random_state': 0, 'probability': True}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 100, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params= {}))]

Prec recall for best trial

Prec/Recall

Best trial is trial 4 (Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'linear', 'random_state': 0, 'probability': True}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 100, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params= {}))]

Legend

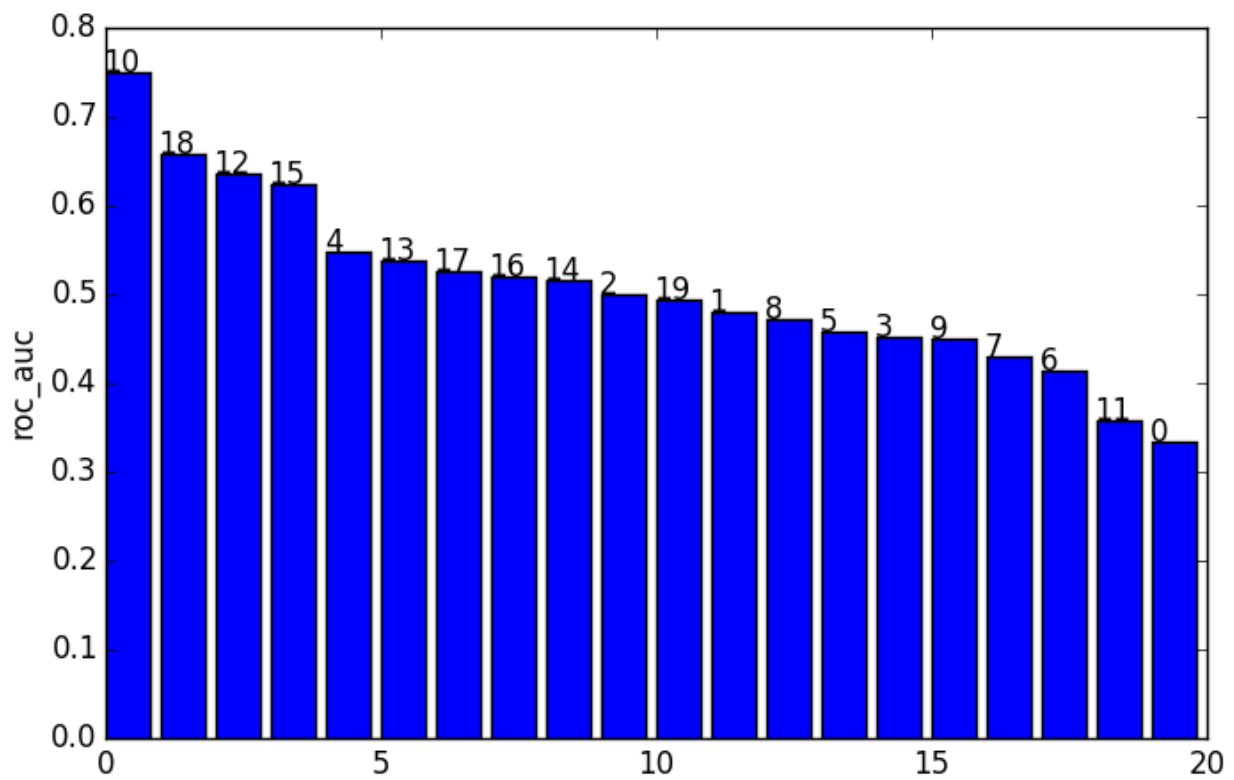| Id	Trial
0	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'linear', 'random_state': 0, 'probability': True}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 20, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
1	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'linear', 'random_state': 0, 'probability': True}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 40, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
2	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'linear', 'random_state': 0, 'probability': True}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 60, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
3	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'linear', 'random_state': 0, 'probability': True}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 80, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
4	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'linear', 'random_state': 0, 'probability': True}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 100, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
5	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'rbf', 'random_state': 0, 'probability': True}, subset= <class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 20, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
6	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'rbf', 'random_state': 0, 'probability': True}, subset= <class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 40, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
7	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'rbf', 'random_state': 0, 'probability': True}, subset= <class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 60, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
8	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'rbf', 'random_state': 0, 'probability': True}, subset= <class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 80, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})

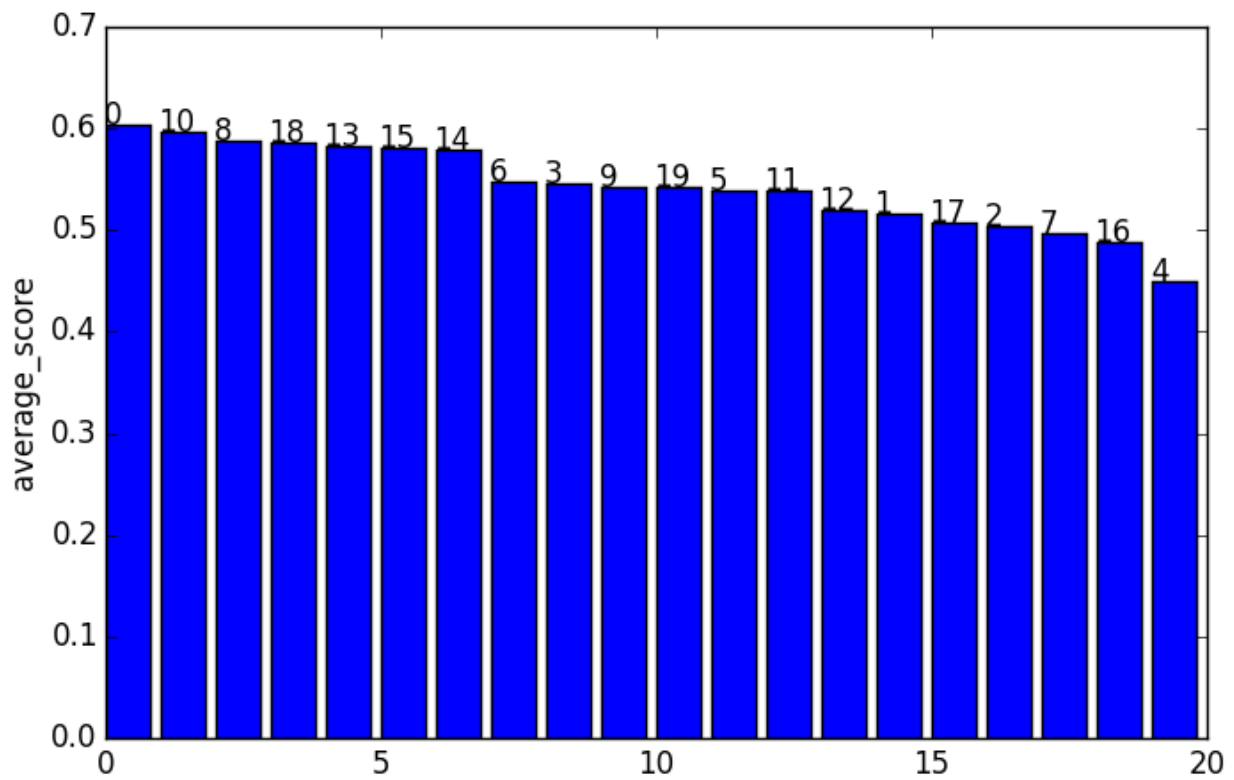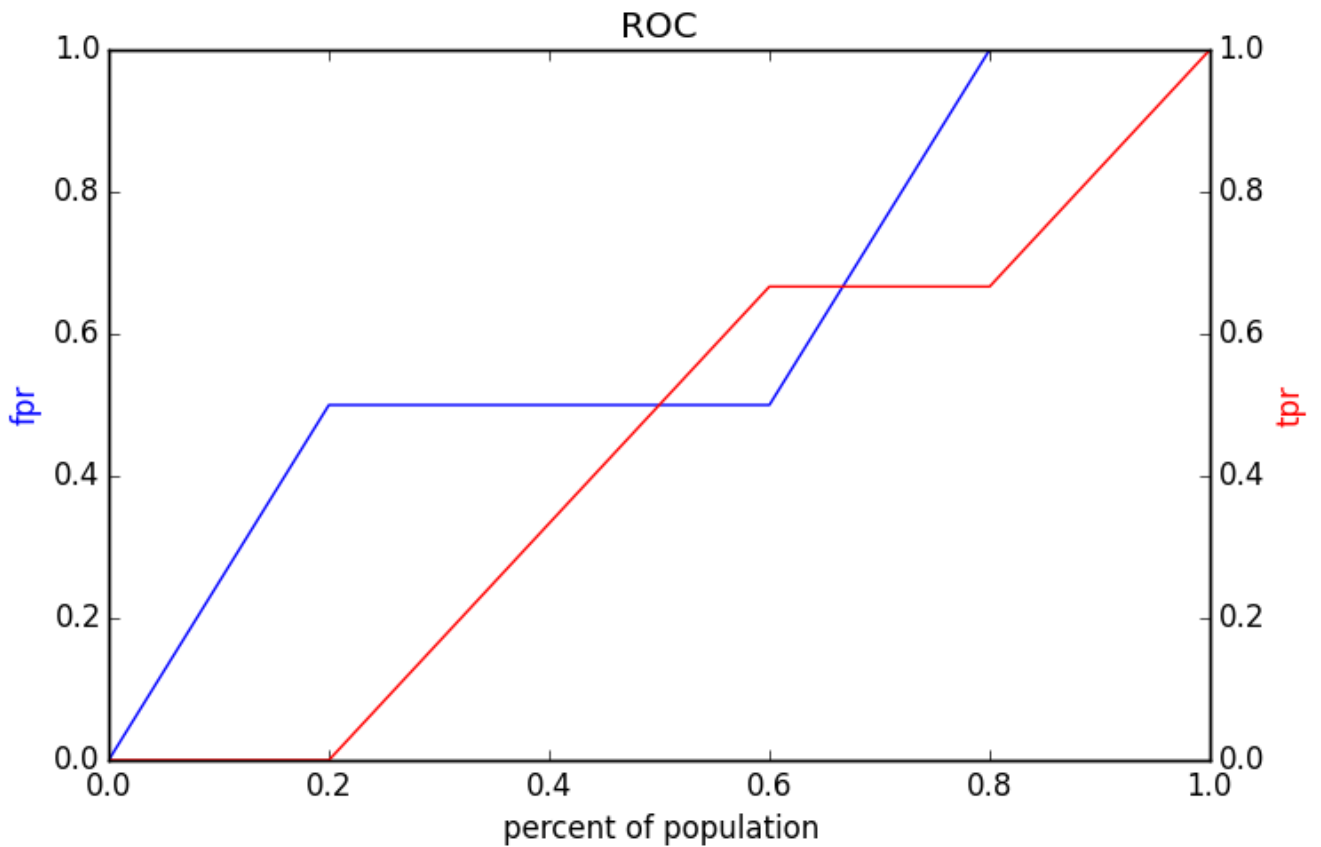| Id	Trial
9	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'rbf', 'random_state': 0, 'probability': True}, subset= <class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params= {'subset_size': 100, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})

Subreport for classifier = <class 'sklearn.ensemble.forest.RandomForestClassifier'>

Roc AUCs

Average Scores

ROC for best trial

Best trial is trial 0 (Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 20, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={}))]

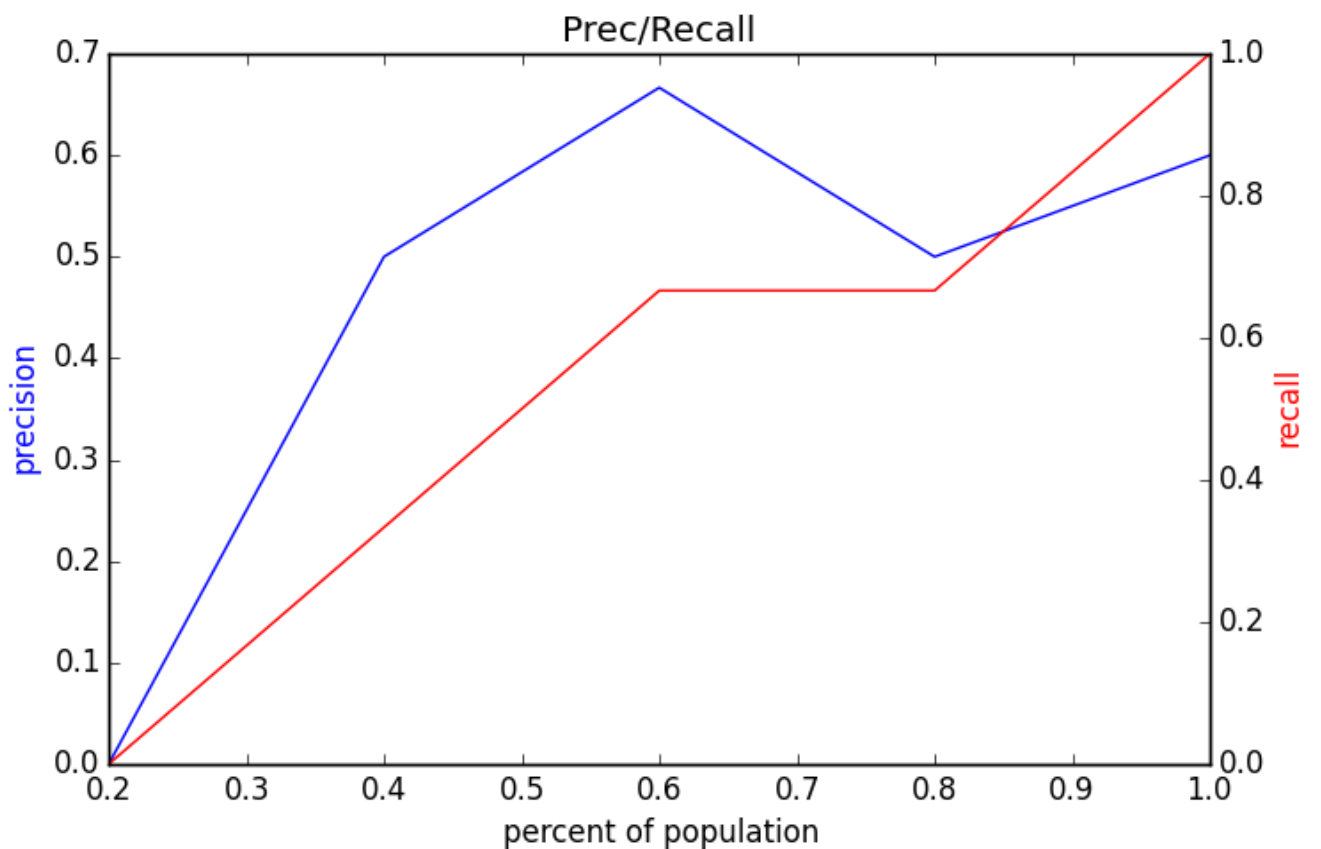## Prec recall for best trial

Best trial is trial 0 (Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 20, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={}))]

Legend

Id	Trial
0	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 20, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
1	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 40, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
2	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 60, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
3	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 80, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
4	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 100, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
5	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 20, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
6	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 40, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
7	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 60, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
8	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 80, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})

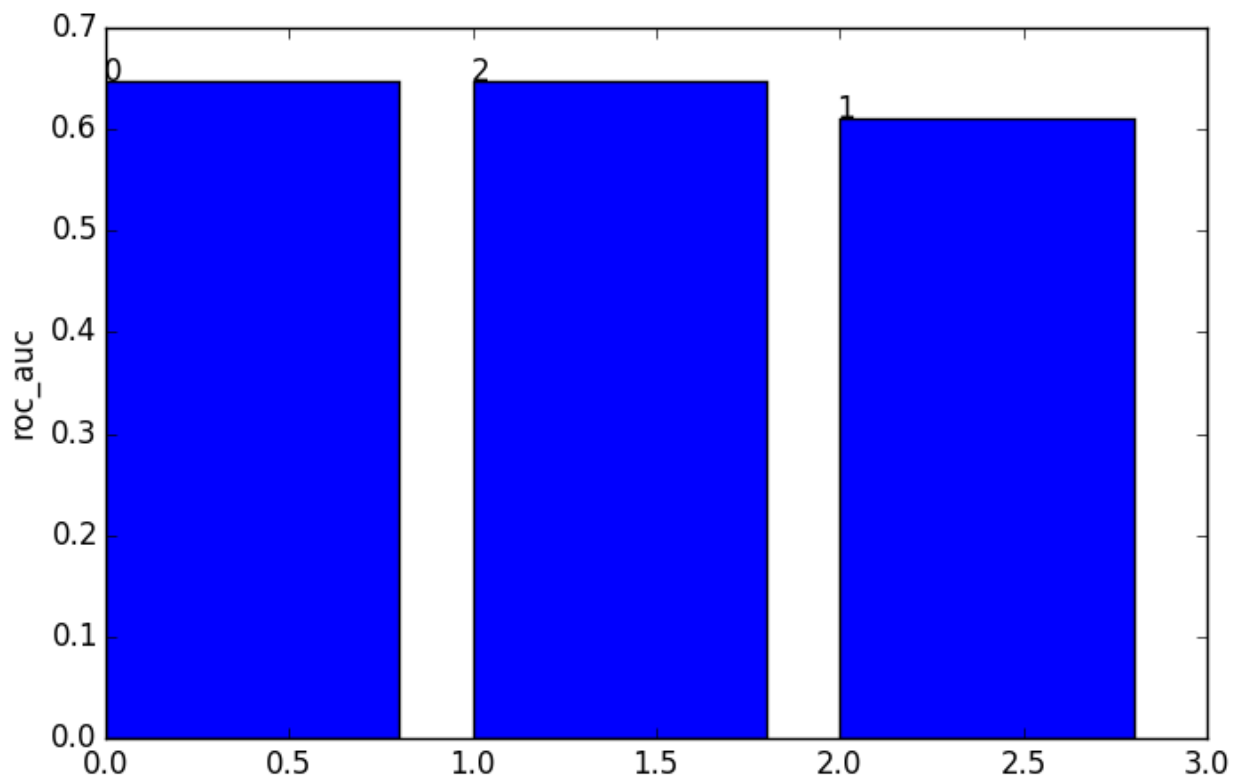| Id	Trial
9	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 100, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
10	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 20, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
11	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 40, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
12	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 60, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
13	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 80, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
14	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 1}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 100, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
15	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 20, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
16	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 40, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
17	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 60, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})

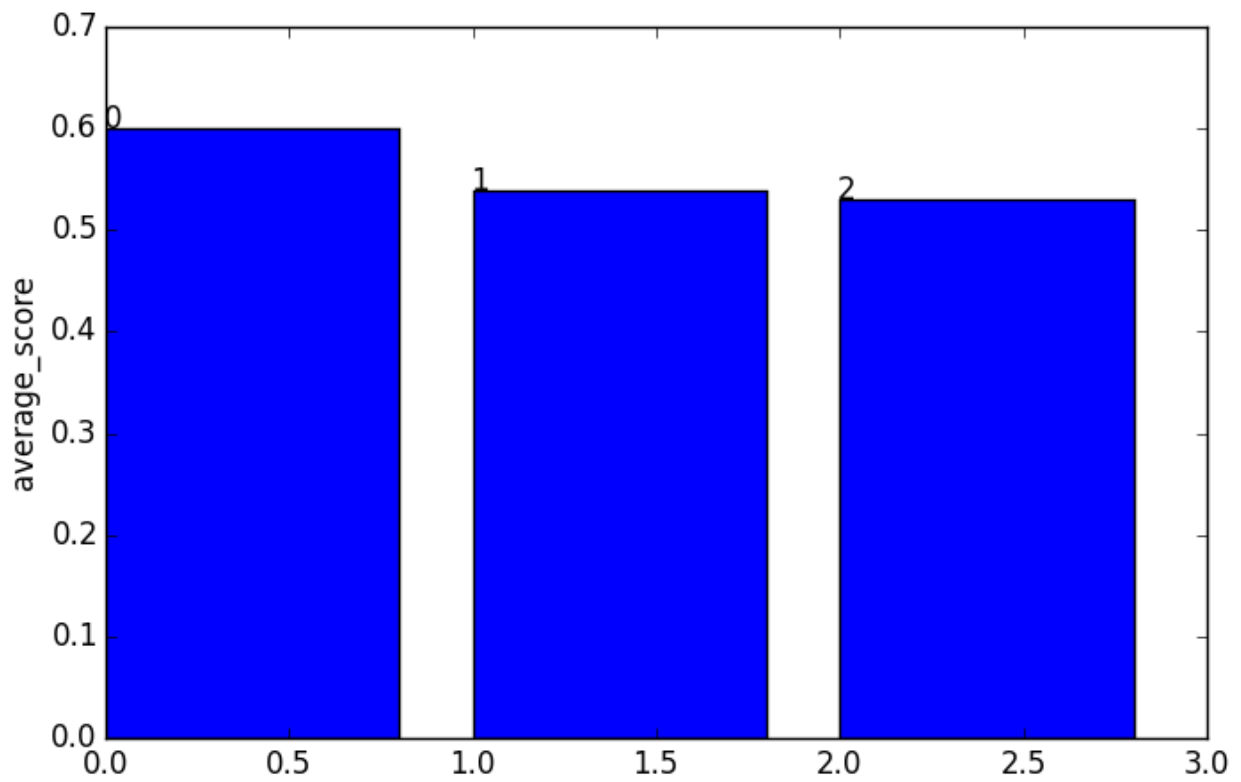| Id	Trial
18	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 80, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
19	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 100, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})

test_report_simple

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Roc AUCs

Average Scores

ROC for best trial

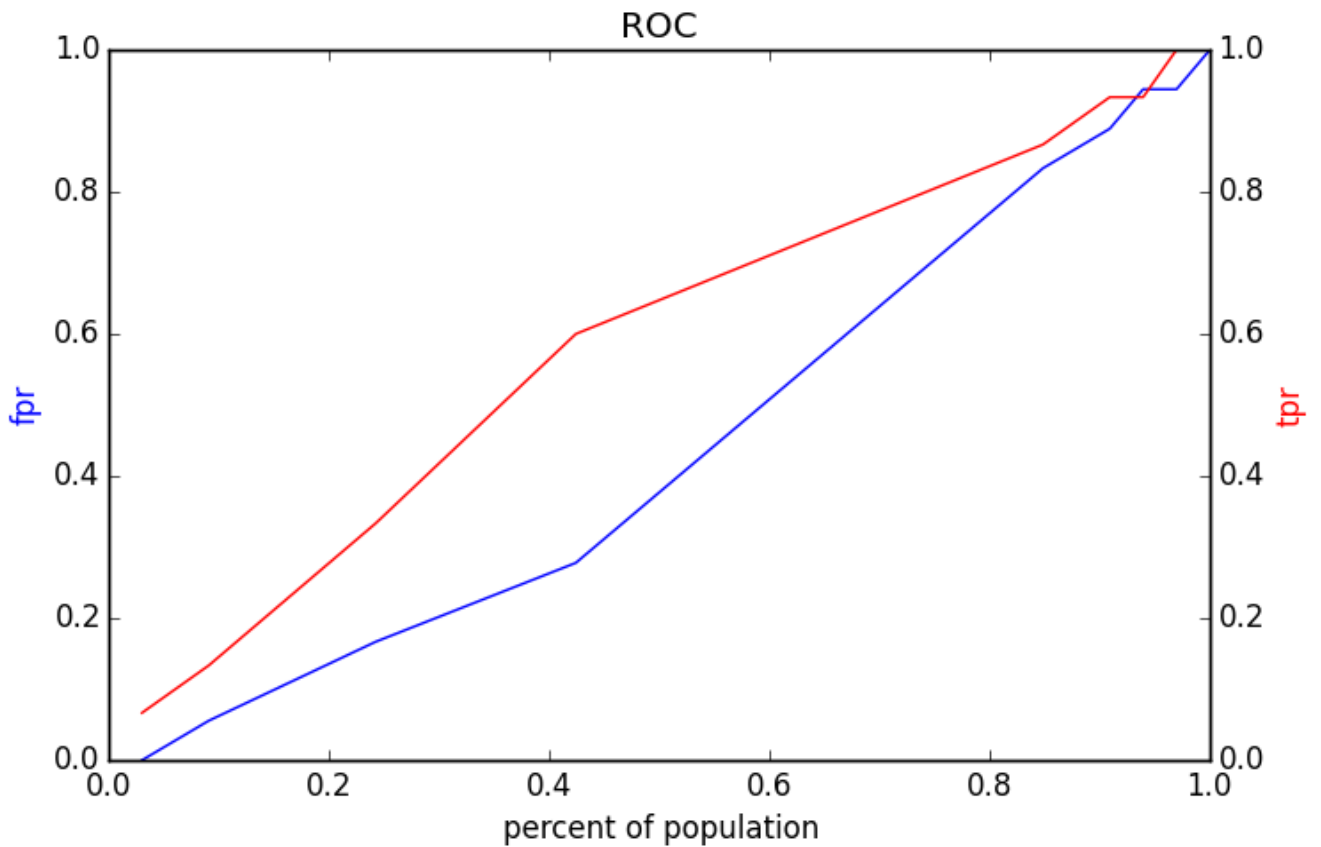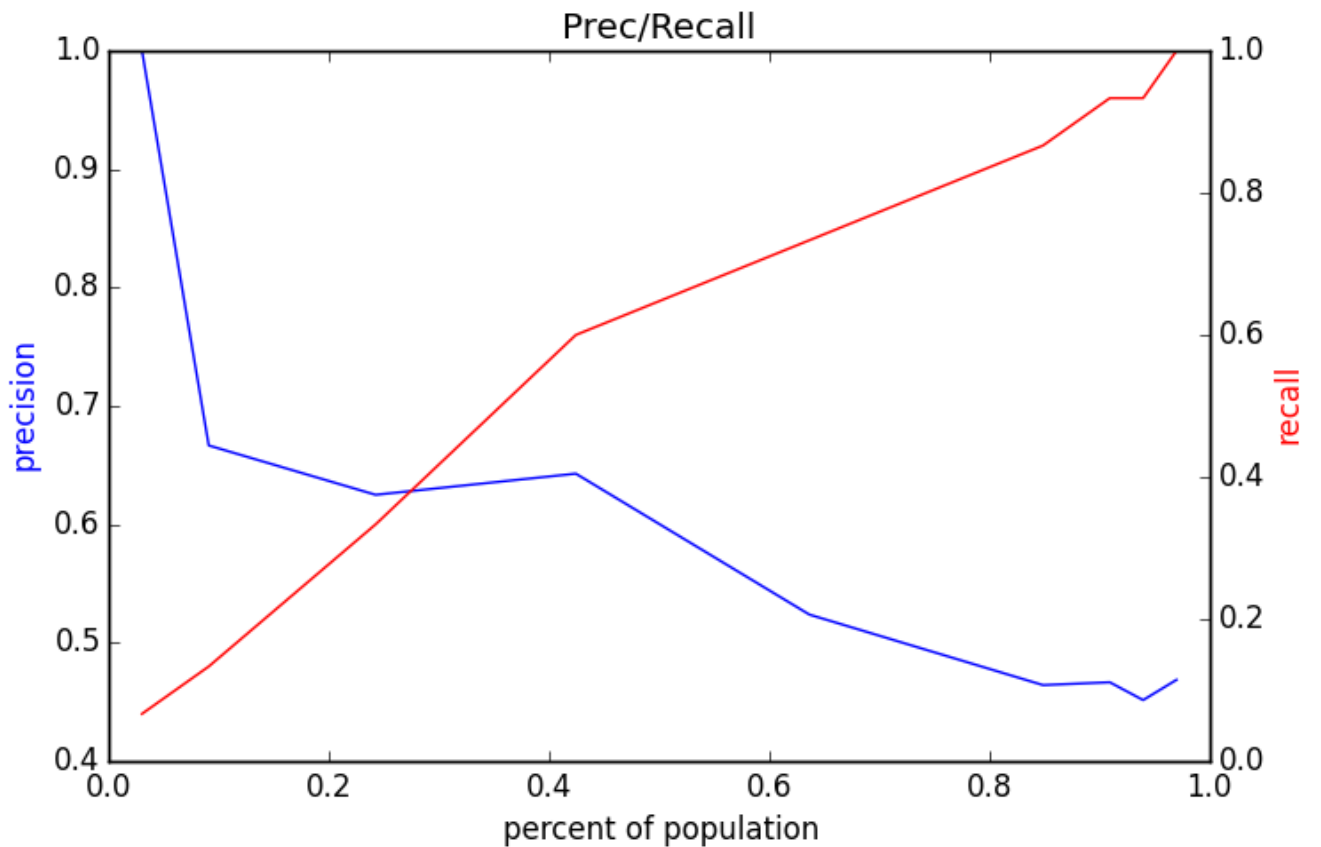Best trial is trial 0 (Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetNoSubset'>, subset_params={}, cv= <class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={}))]

Prec recall for best trial

Best trial is trial 0 (Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10,

'random_state': 0}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetNoSubset'>, subset_params={}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={}))]

Legend

Id	Trial
0	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetNoSubset'>, subset_params={}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
1	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetNoSubset'>, subset_params={}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})
2	Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf_params={'n_estimators': 1000, 'random_state': 0}, subset=<class 'diogenes.grid_search.grid_search_helper.SubsetNoSubset'>, subset_params={}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})