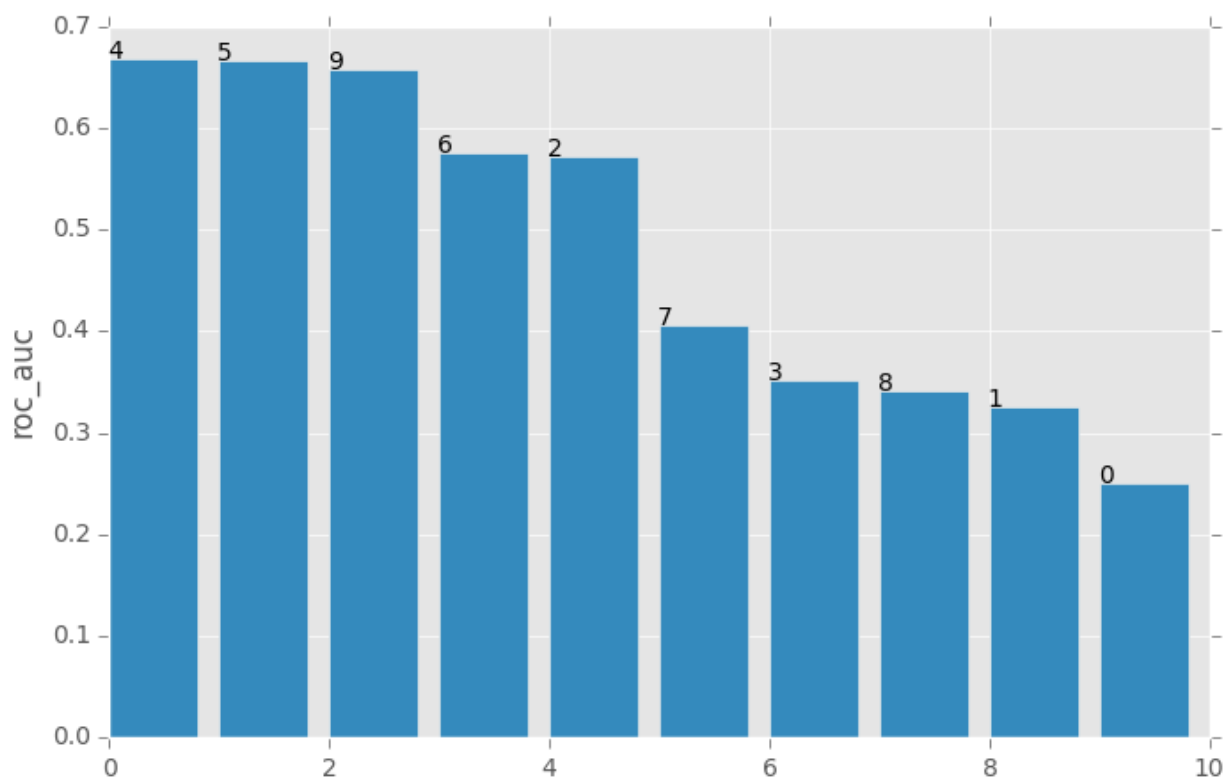


# test\_report\_complex

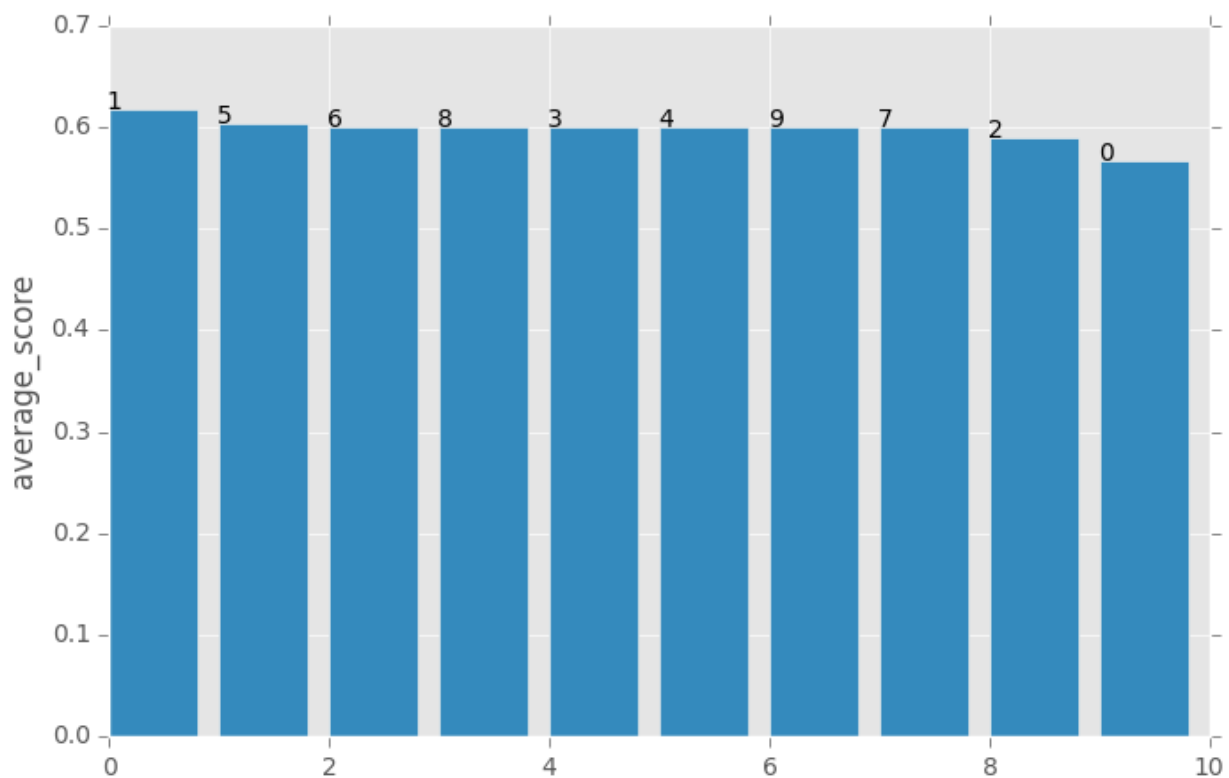
Eights Report 2015-11-06 13:40:21.093780

Subreport for classifier = <class  
'sklearn.svm.classes.SVC'>

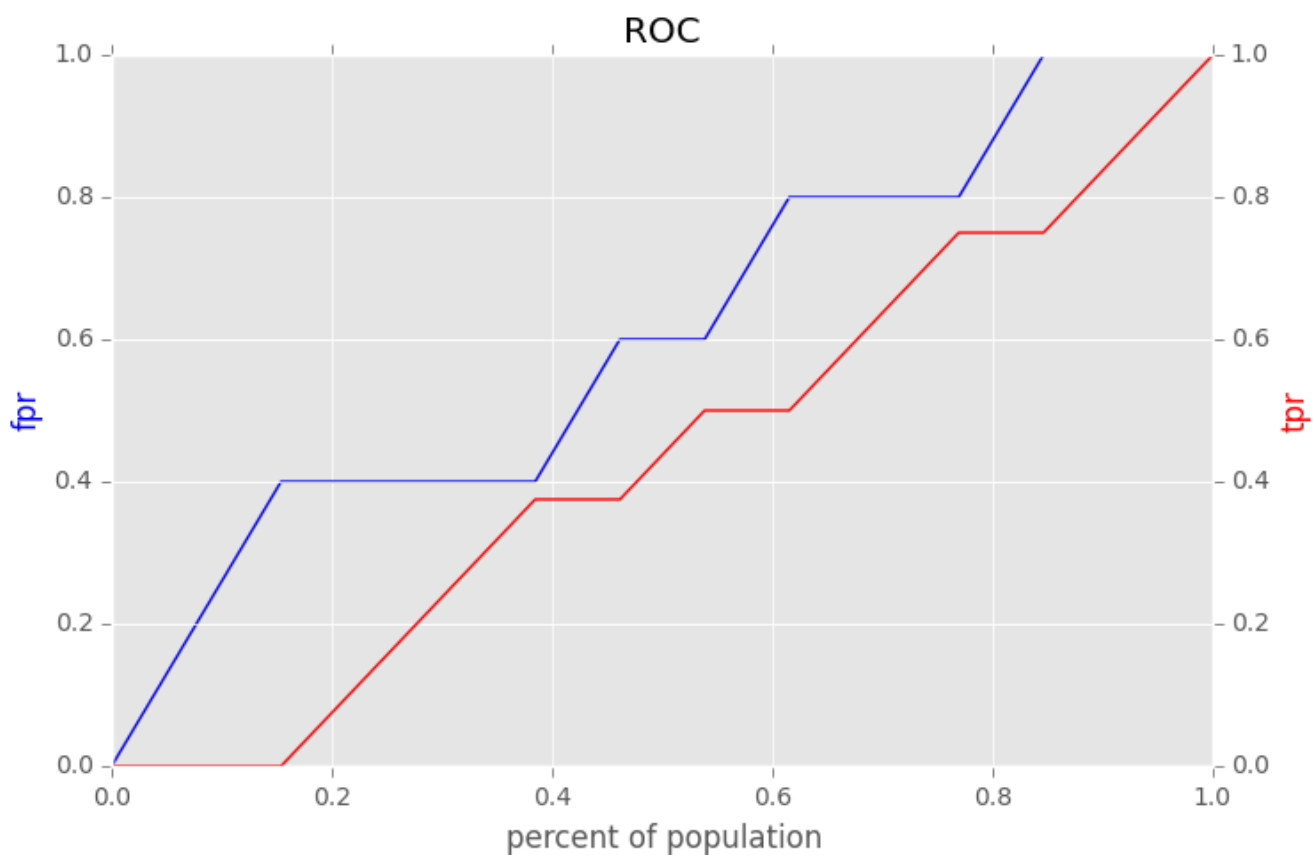
Roc AUCs



Average Scores

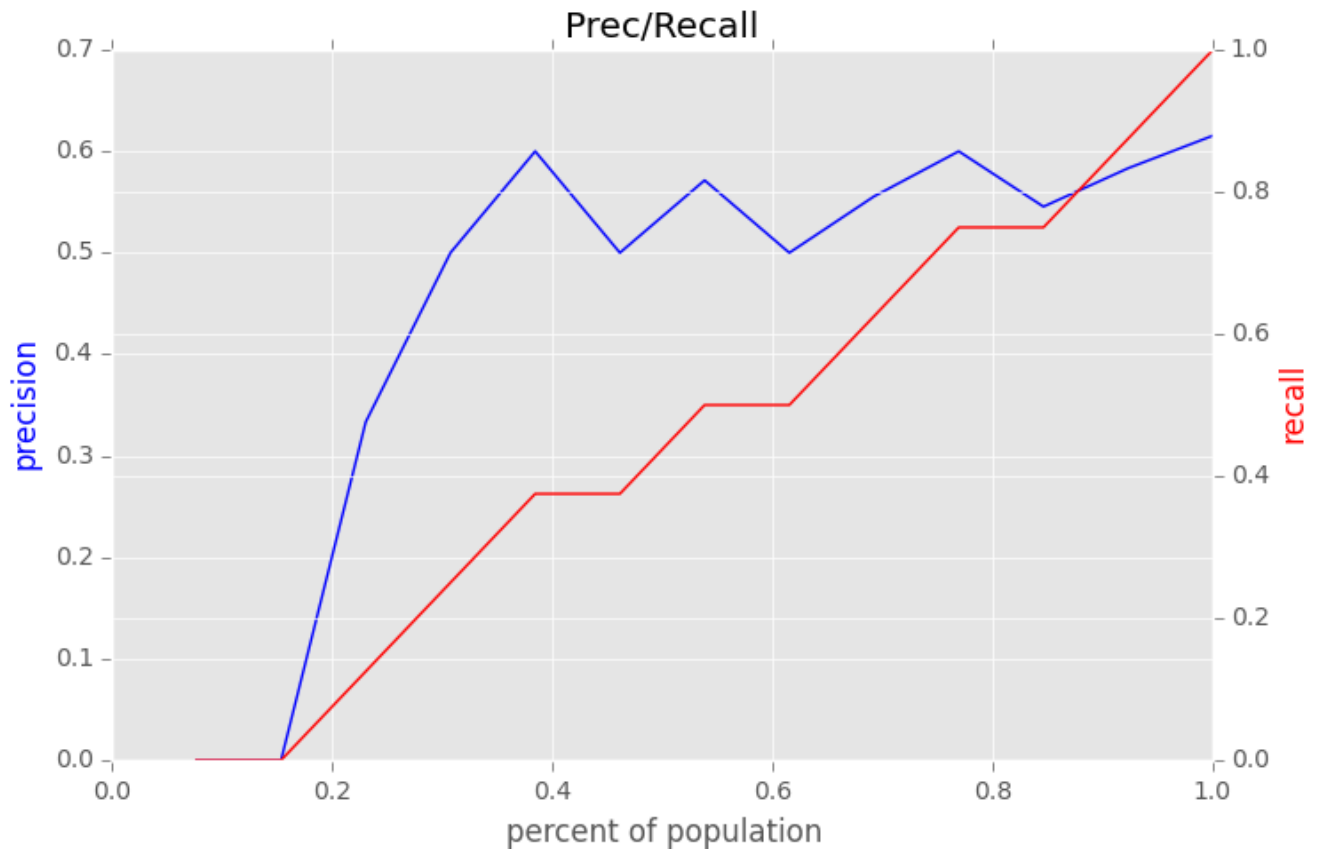


### ROC for best trial



Best trial is trial 1 (Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf\_params={'kernel': 'linear', 'random\_state': 0, 'probability': True}, subset=<class 'diogenes.grid\_search.subset.SubsetRandomRowsActualDistribution'>, subset\_params={'subset\_size': 40, 'random\_state': 0}, cv=<class 'sklearn.cross\_validation.StratifiedKFold'>, cv\_params={}))]

### Prec recall for best trial



Best trial is trial 1 (Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf\_params={'kernel': 'linear', 'random\_state': 0, 'probability': True}, subset=<class 'diogenes.grid\_search.subset.SubsetRandomRowsActualDistribution'>, subset\_params={'subset\_size': 40, 'random\_state': 0}, cv=<class 'sklearn.cross\_validation.StratifiedKFold'>, cv\_params={}))]

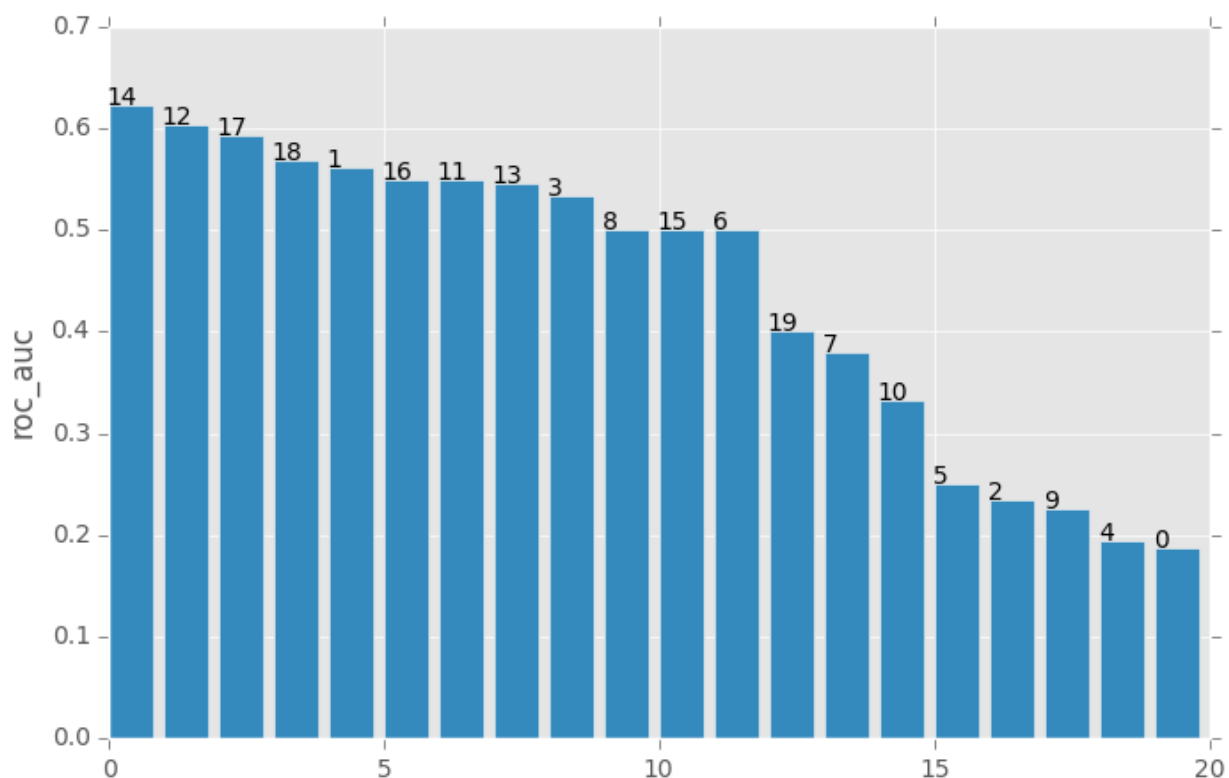
## Legend

Id	Trial
0	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'linear', 'random_state': 0, 'probability': True}, subset=<class 'diogenes.grid_search.subset.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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 80, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})

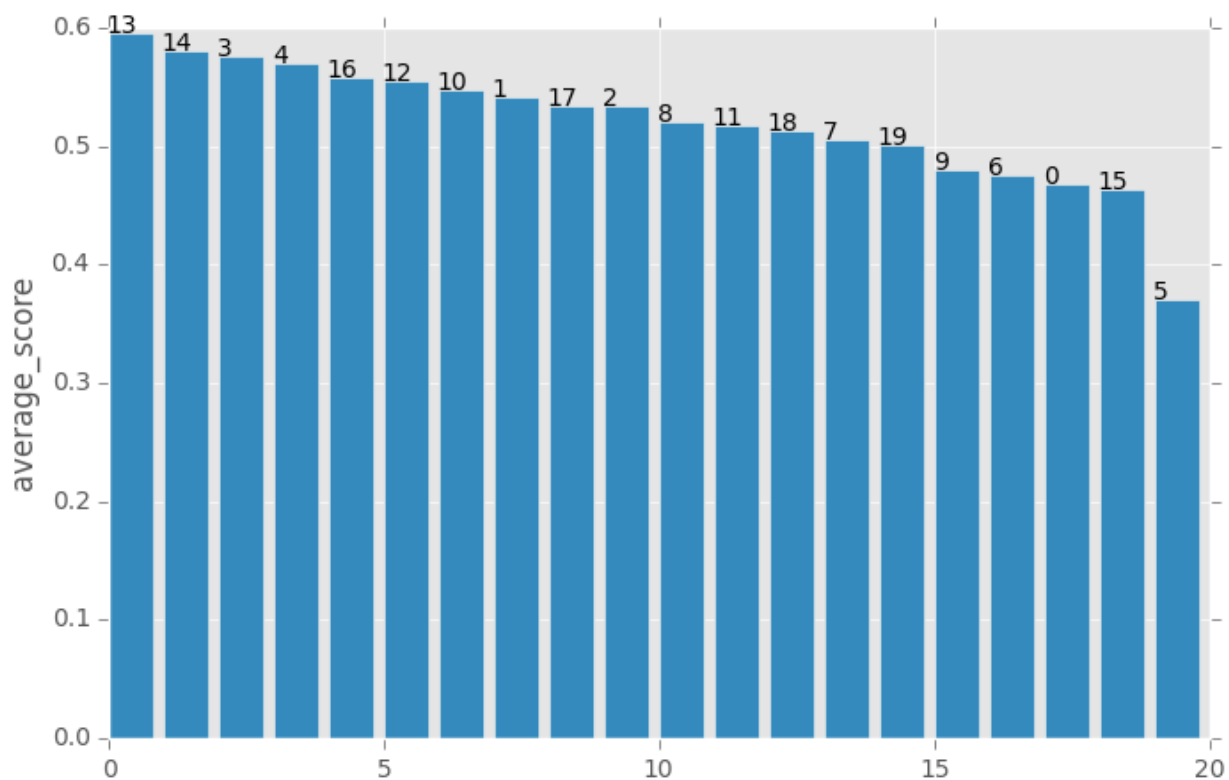
Id	Trial
9	Trial(clf=<class 'sklearn.svm.classes.SVC'>, clf_params={'kernel': 'rbf', 'random_state': 0, 'probability': True}, subset=<class 'diogenes.grid_search.subset.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 100, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>,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

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

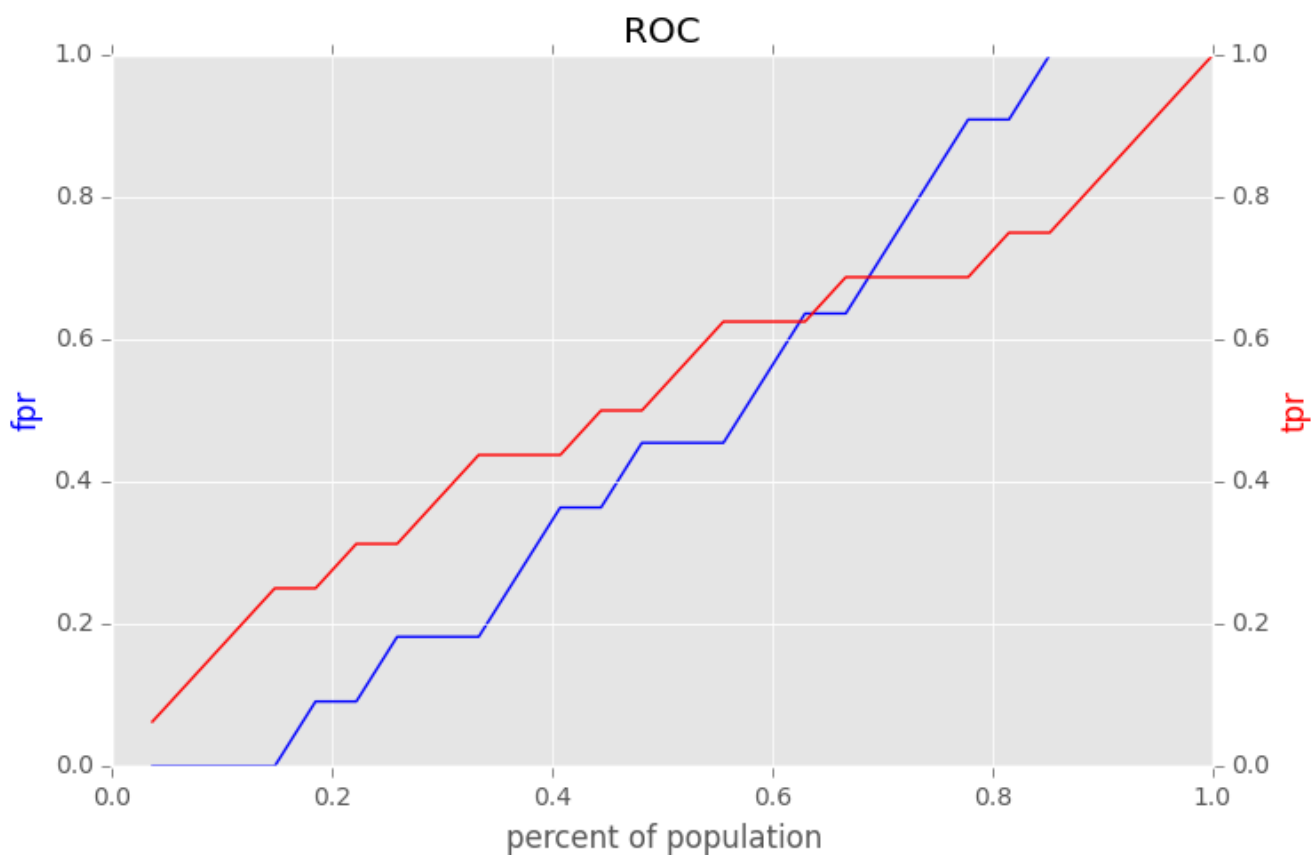
### Roc AUCs



### Average Scores



### ROC for best trial



Best trial is trial 13 (Trial(clf=<class 'sklearn.ensemble forest.RandomForestClassifier'>, clf\_params={'n\_estimators': 100, 'random\_state': 0, 'max\_depth': 1}, subset=<class 'diogenes.grid\_search.subset.SubsetRandomRowsActualDistribution'>, subset\_params={'subset\_size': 80, 'random\_state': 0}, cv=<class 'sklearn.cross\_validation.StratifiedKFold'>, cv\_params={}))]

## Prec recall for best trial



Best trial is trial 13 (Trial(clf=<class 'sklearn.ensemble.forest.RandomForestClassifier'>, clf\_params={'n\_estimators': 100, 'random\_state': 0, 'max\_depth': 1}, subset=<class 'diogenes.grid\_search.subset.SubsetRandomRowsActualDistribution'>, subset\_params={'subset\_size': 80, '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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 80, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})

<b>Id</b>	<b>Trial</b>
9	Trial(clf=<class 'sklearn.ensemble forest.RandomForestClassifier'>, clf_params={'n_estimators': 10, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.subset.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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.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.subset.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 60, 'random_state': 0}, cv=<class 'sklearn.cross_validation.StratifiedKFold'>, cv_params={})

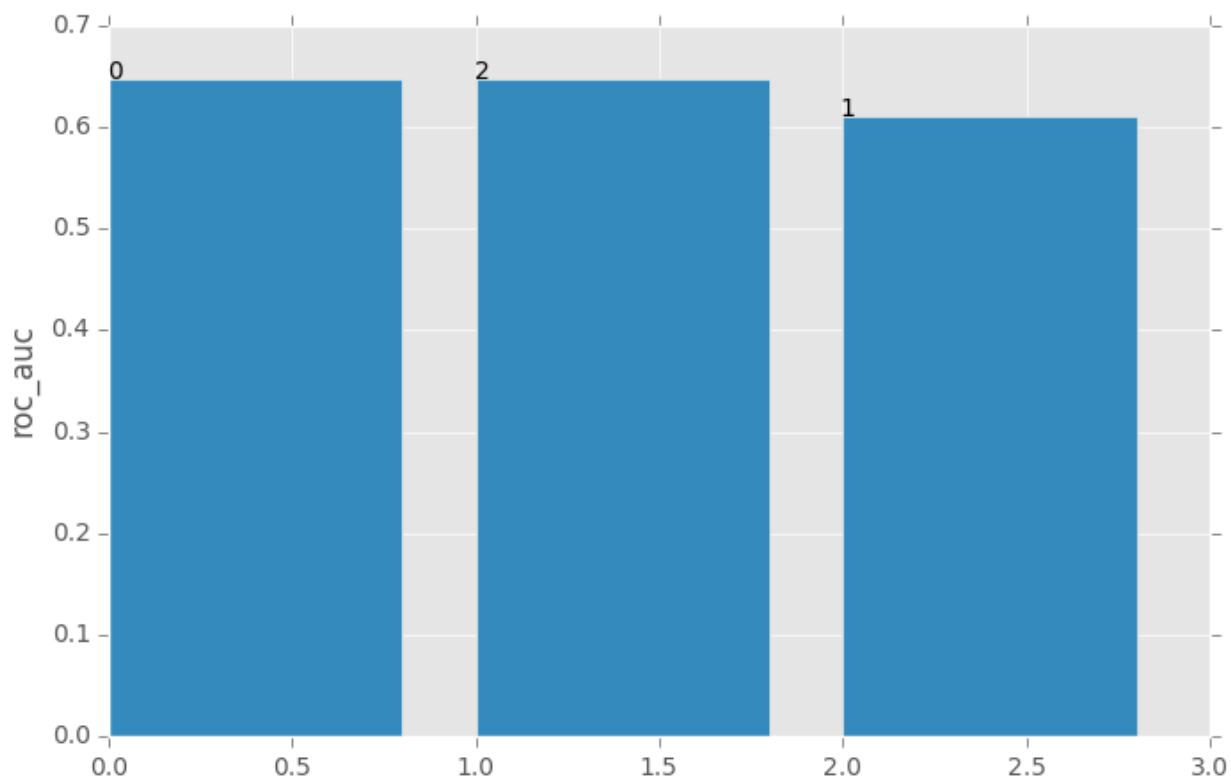
<b>Id</b>	<b>Trial</b>
18	Trial(clf=<class 'sklearn.ensemble forest.RandomForestClassifier'>, clf_params={'n_estimators': 100, 'random_state': 0, 'max_depth': 10}, subset=<class 'diogenes.grid_search.subset.SubsetRandomRowsActualDistribution'>, subset_params={'subset_size': 80, 'random_state': 0}, cv=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

## test\_report\_simple

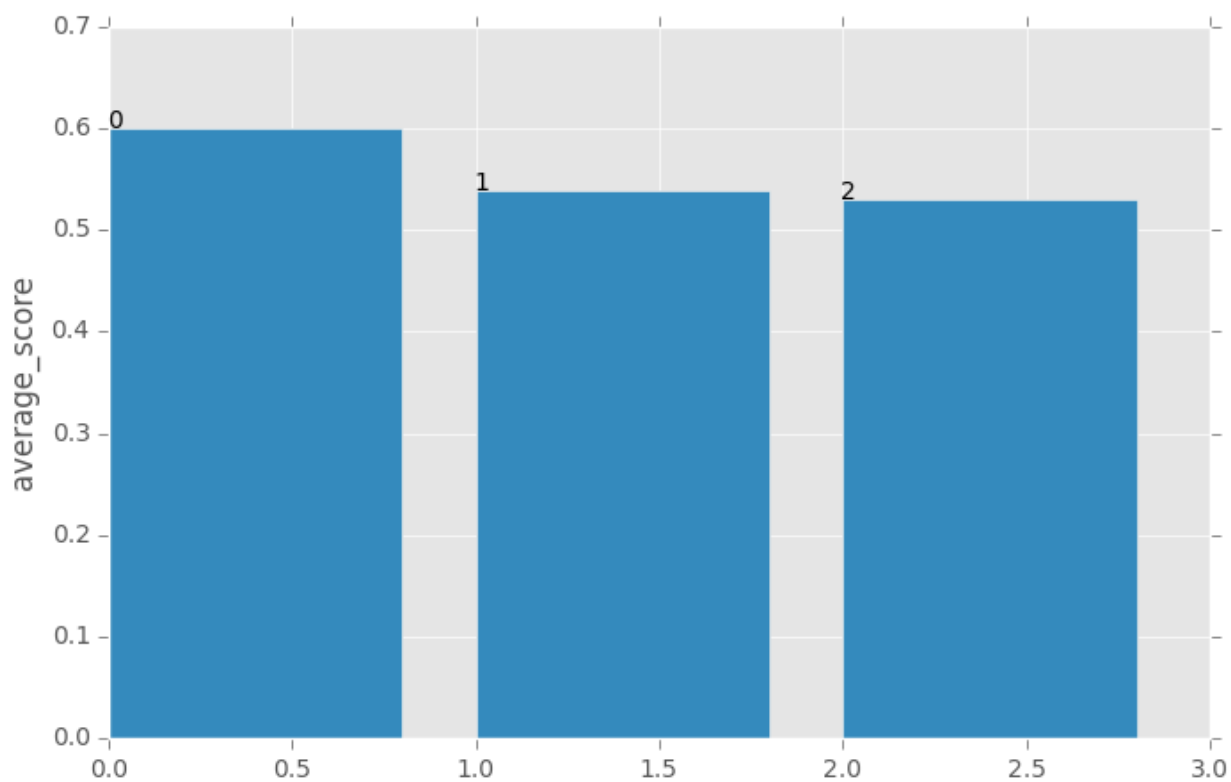
## Eights Report 2015-11-06 13:40:30.804381

Roc AUCs

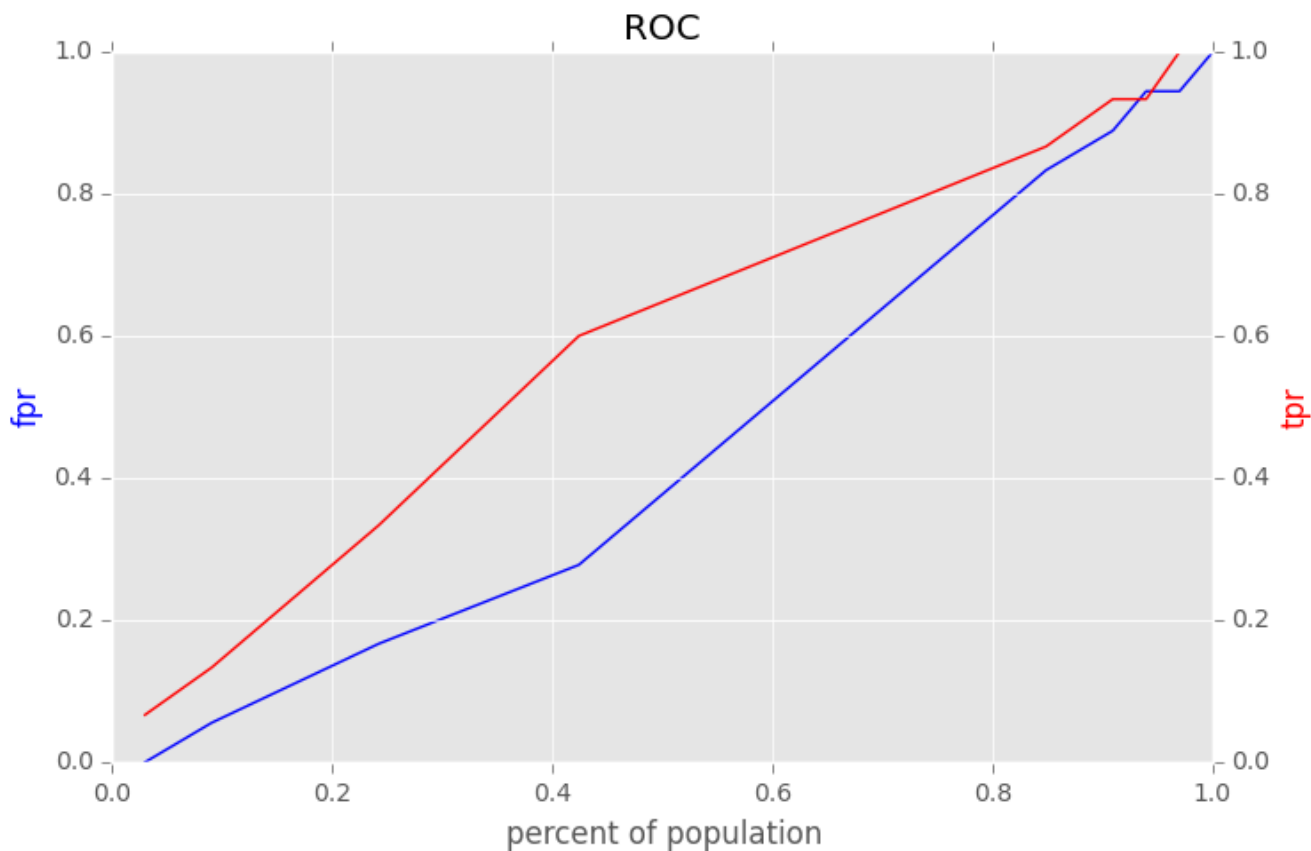




### Average Scores

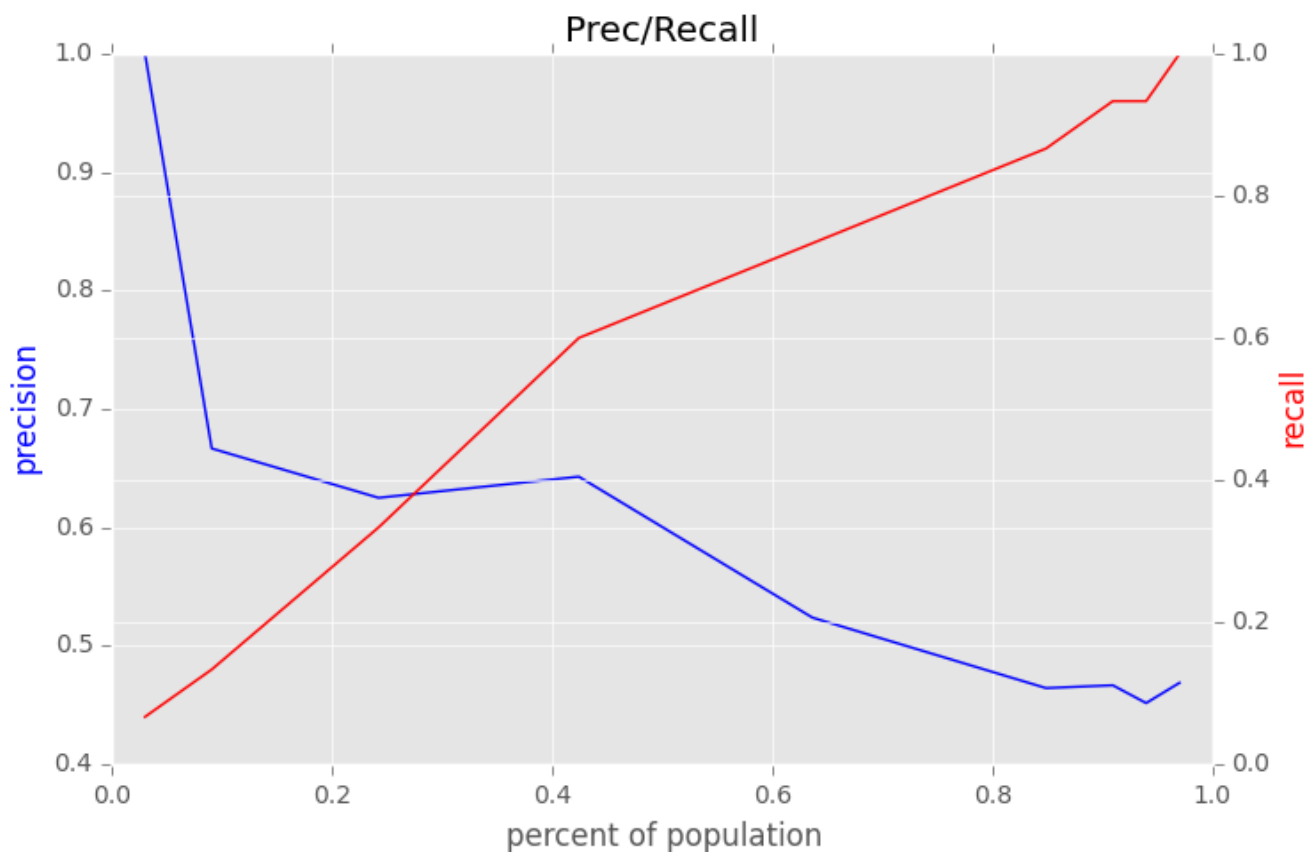


### ROC for best trial



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.subset.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.subset.SubsetNoSubset'>, subset\_params={}, cv=<class 'sklearn.cross\_validation.StratifiedKFold'>, cv\_params={})))

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