

visualize_results

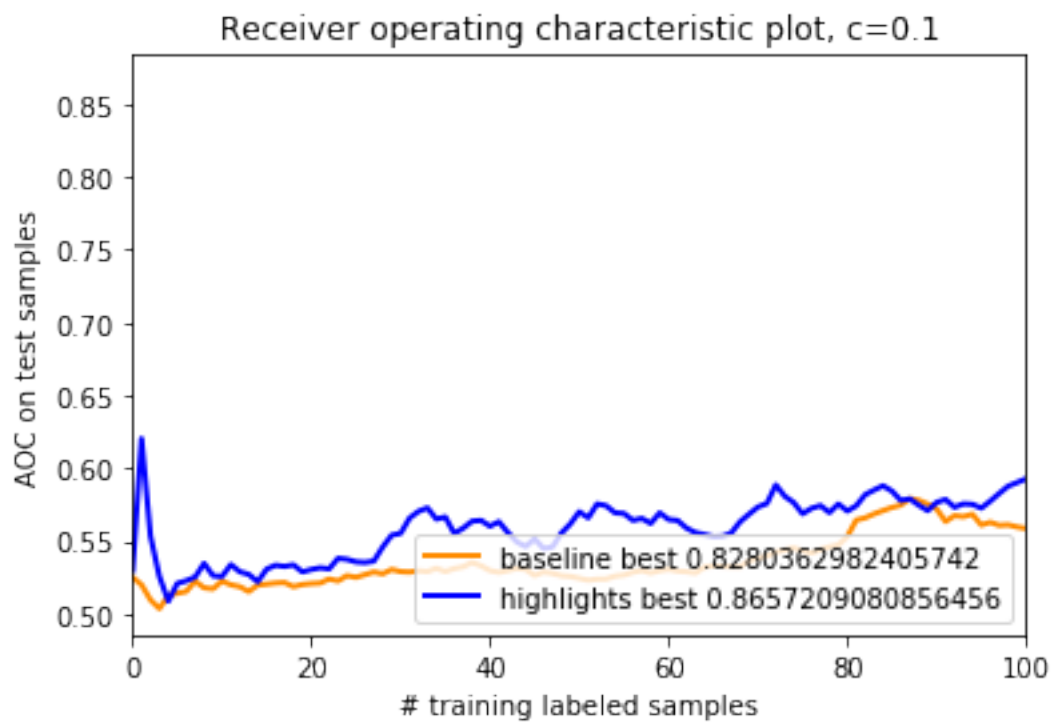
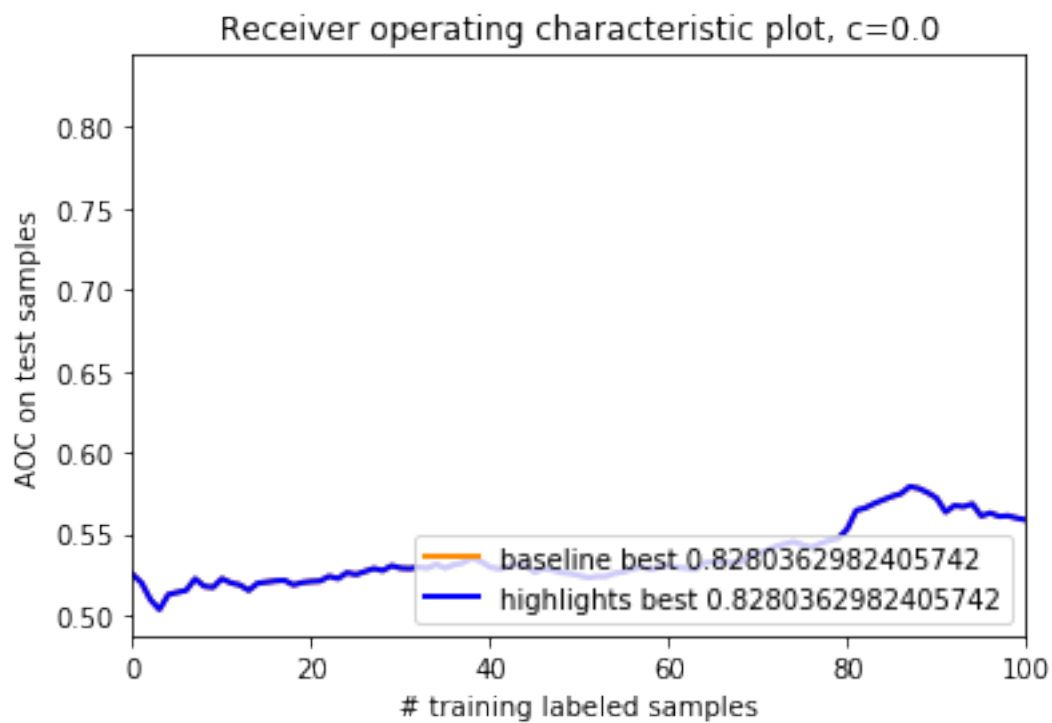
January 20, 2019

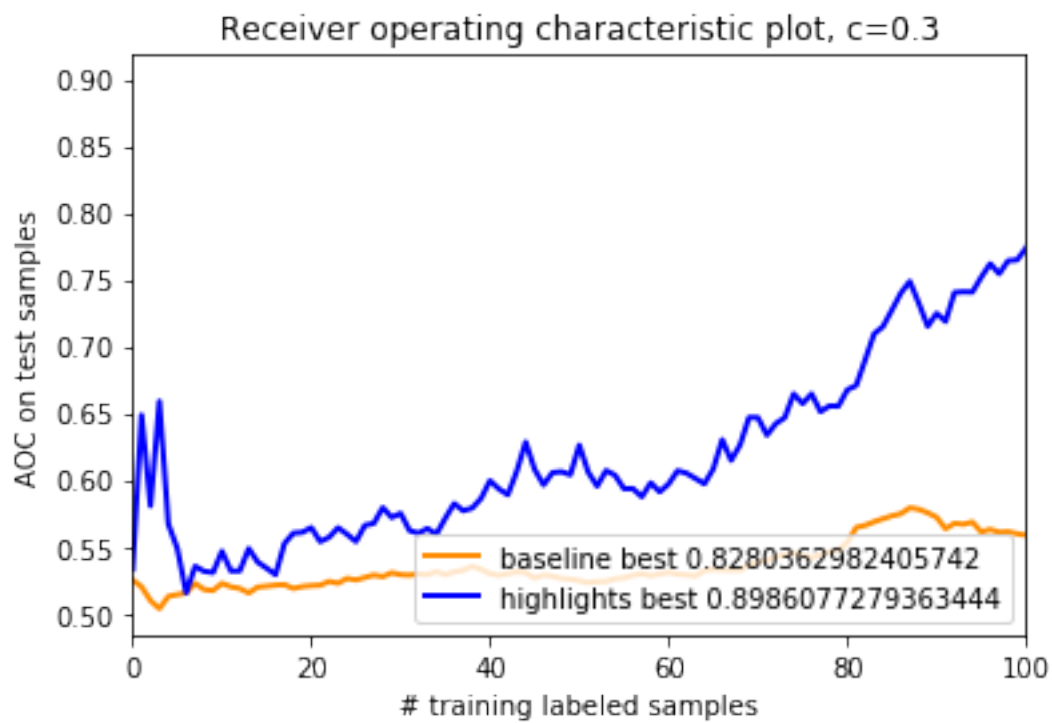
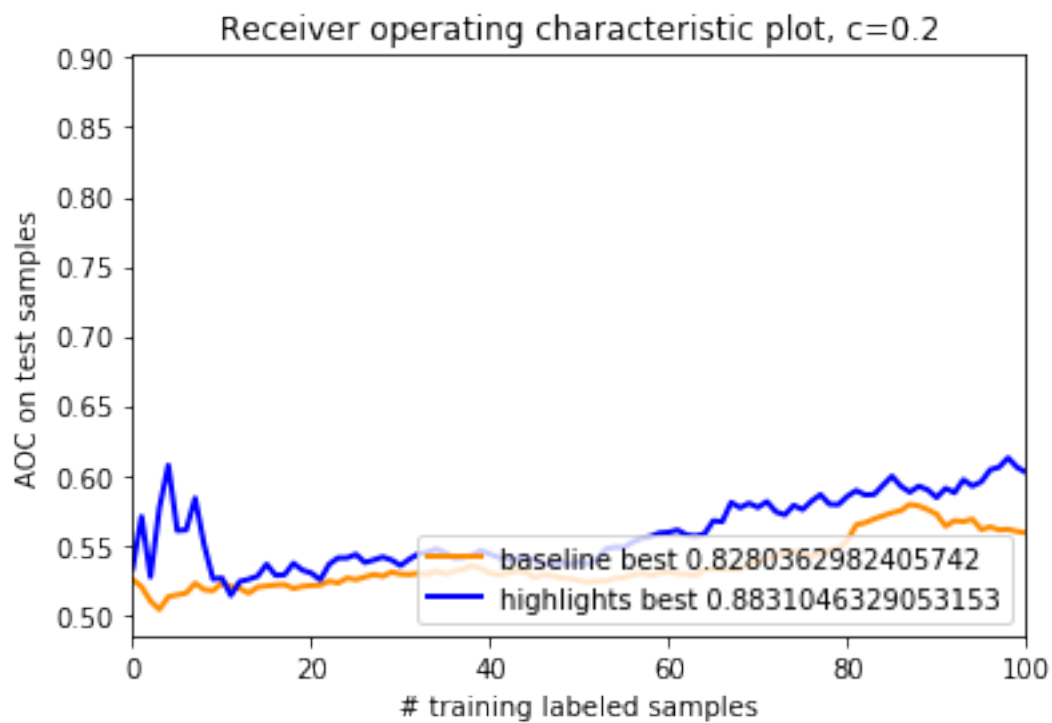
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In [20]: # Compute ROC curve and ROC area for each class
         %matplotlib inline

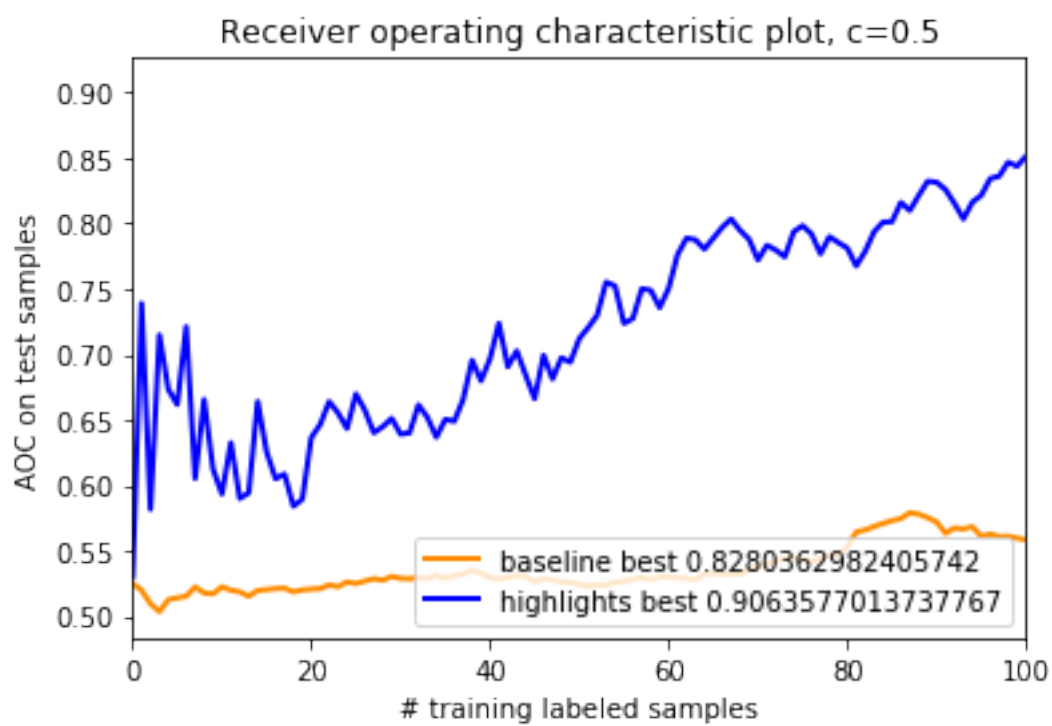
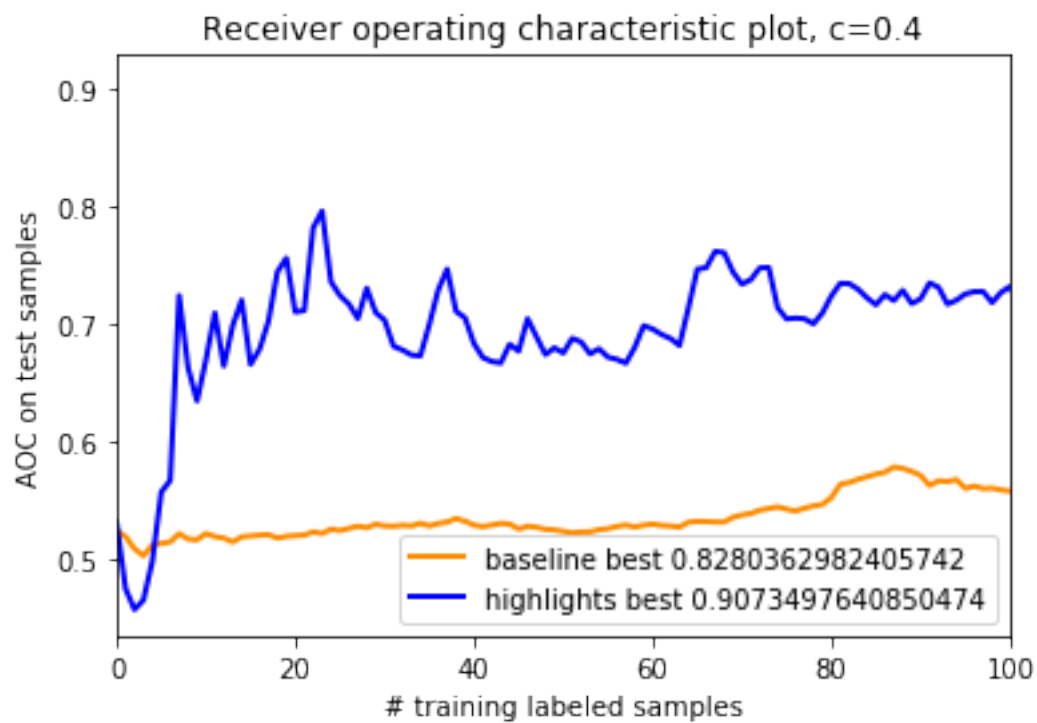
import matplotlib
import numpy as np
import matplotlib.pyplot as plt
import pickle

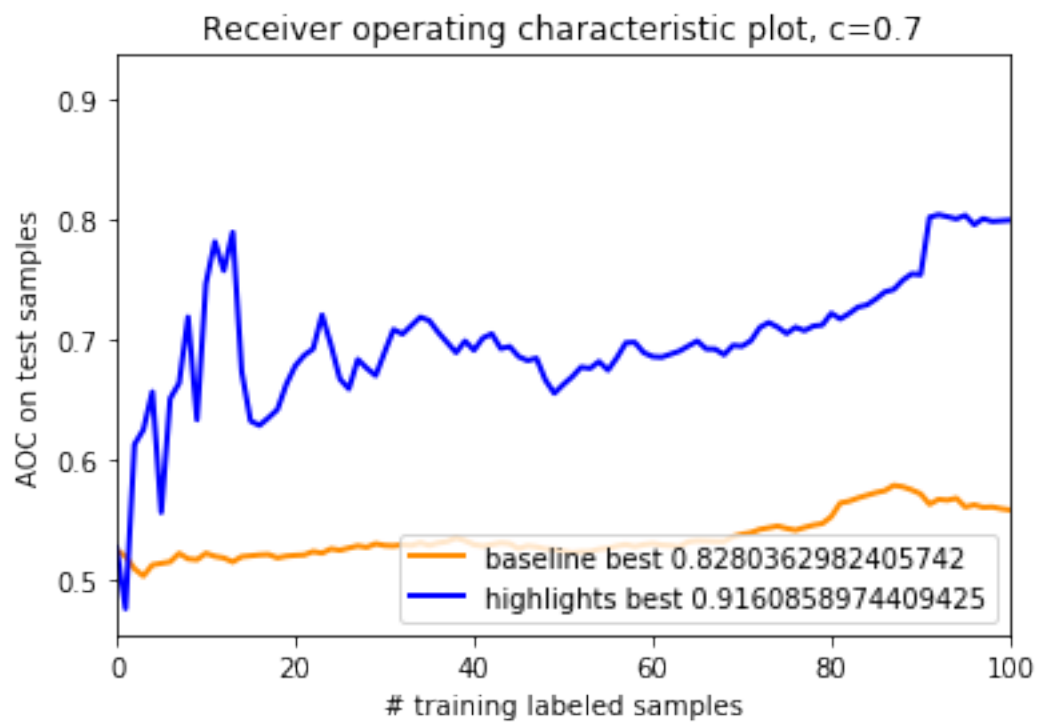
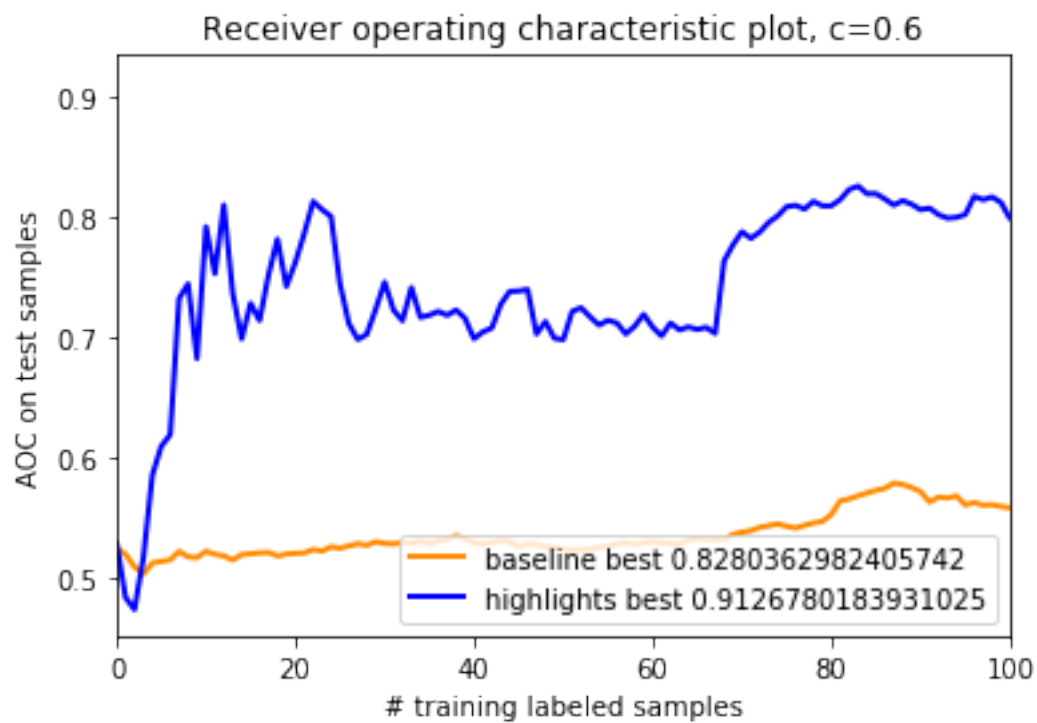
for c in [0.0,0.1,0.2,0.3,0.4,0.5,0.6,0.7,0.8,0.9,1.0]:
    # get the file
    high_auc = pickle.load( open('high_auc_'+str(c)+'_1.pkl', "rb" ) )
    norm_auc = pickle.load( open('norm_auc_'+str(c)+'_1.pkl', "rb" ) )
    best_high = max(high_auc)
    best_base = max(norm_auc)

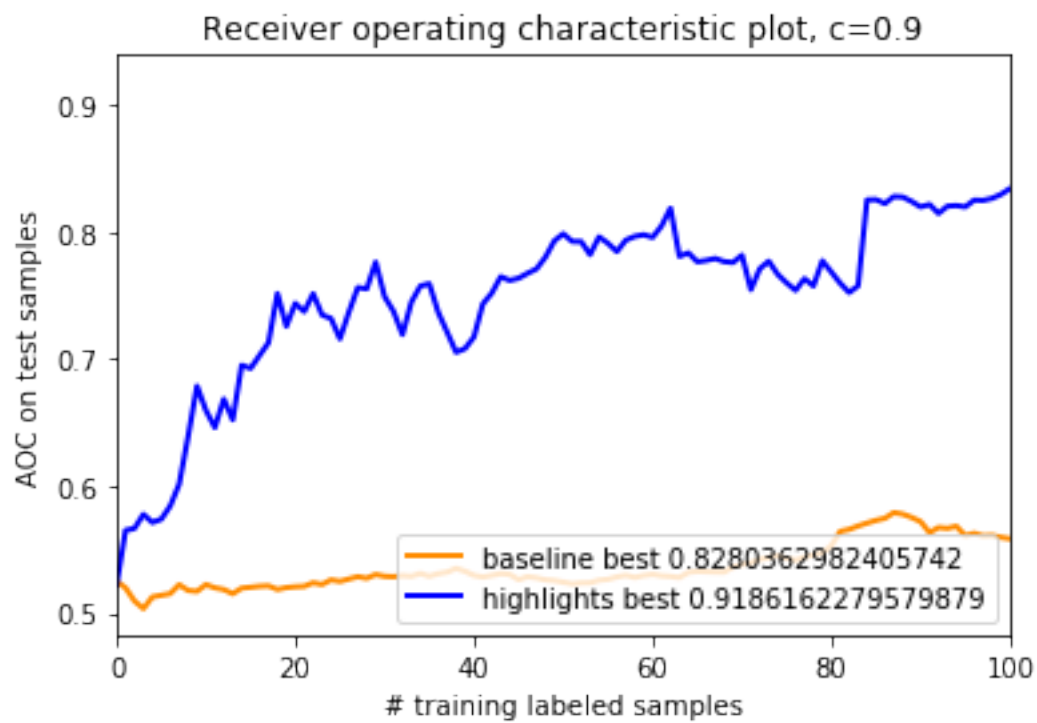
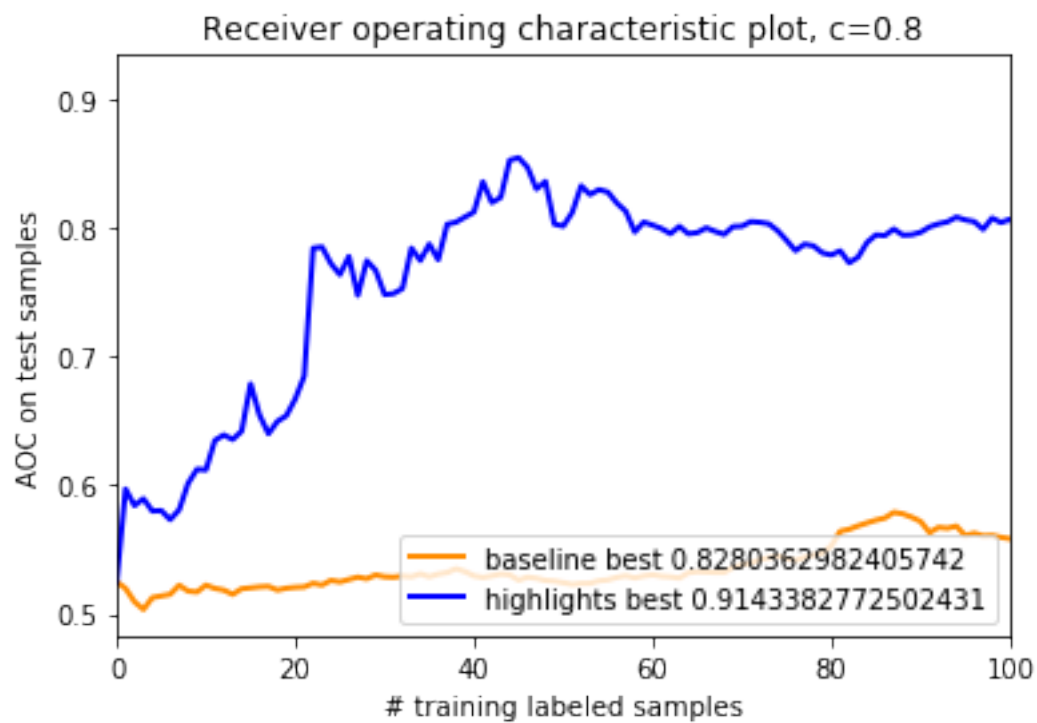
    plt.figure()
    lw = 2
    plt.plot(norm_auc,color='darkorange',lw=lw, label='baseline best ' + str(best_base))
    plt.plot(high_auc,color='blue',lw=lw, label='highlights best ' + str(best_high) )
    plt.xlim([0.0, 100.0])
    #plt.ylim([0.525, 0.55])
    plt.xlabel('# training labeled samples')
    plt.ylabel('AOC on test samples')
    plt.title('Receiver operating characteristic plot, c='+str(c))
    plt.legend(loc="lower right")
    plt.show()
```

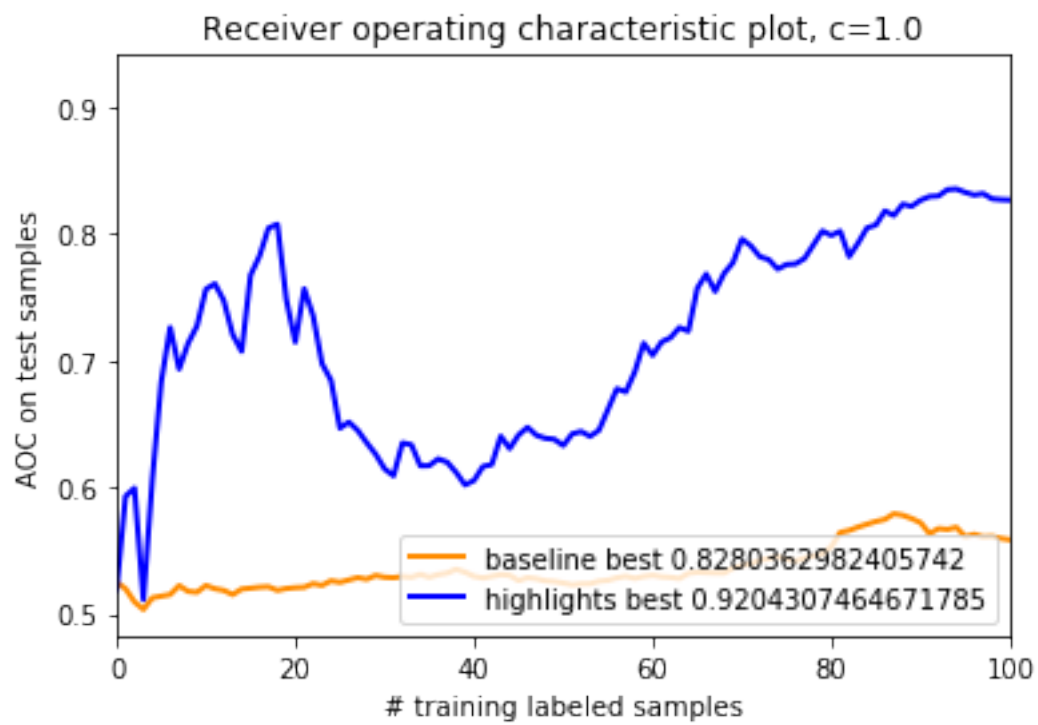












In []: