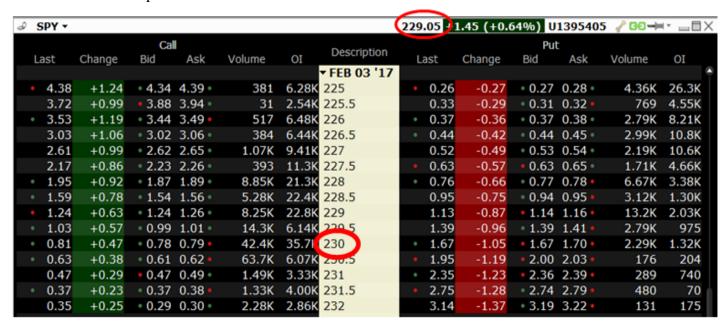
Economics 136

Spring 2017

Homework Number 2

The Call Option Strike Price Probability Estimator

First, look at the video for this assignment. The general instructions are there. For this year, here are the details for the stock and call option that we have chosen:



Specifically:

Today's date: Wednesday, January 25, 2017, 12:45 PM NYT

Price of SPY: 229.05 Call Option: Feb 03 230 Price paid: 0.79 (BB) Market days to expiration: 7

SPY alpha (drift rate): From your HW1 (252 day estimation)

SPY beta (standard deviation): From your HW1 (252 day estimation)

Task: Calculate the probabilities asked for in the Excel sppc.xlxs workbook and then attempt to do the same in Python.