

Lab 8 observations

May 25, 2020

Stock : AXISBANK

Market : BSE

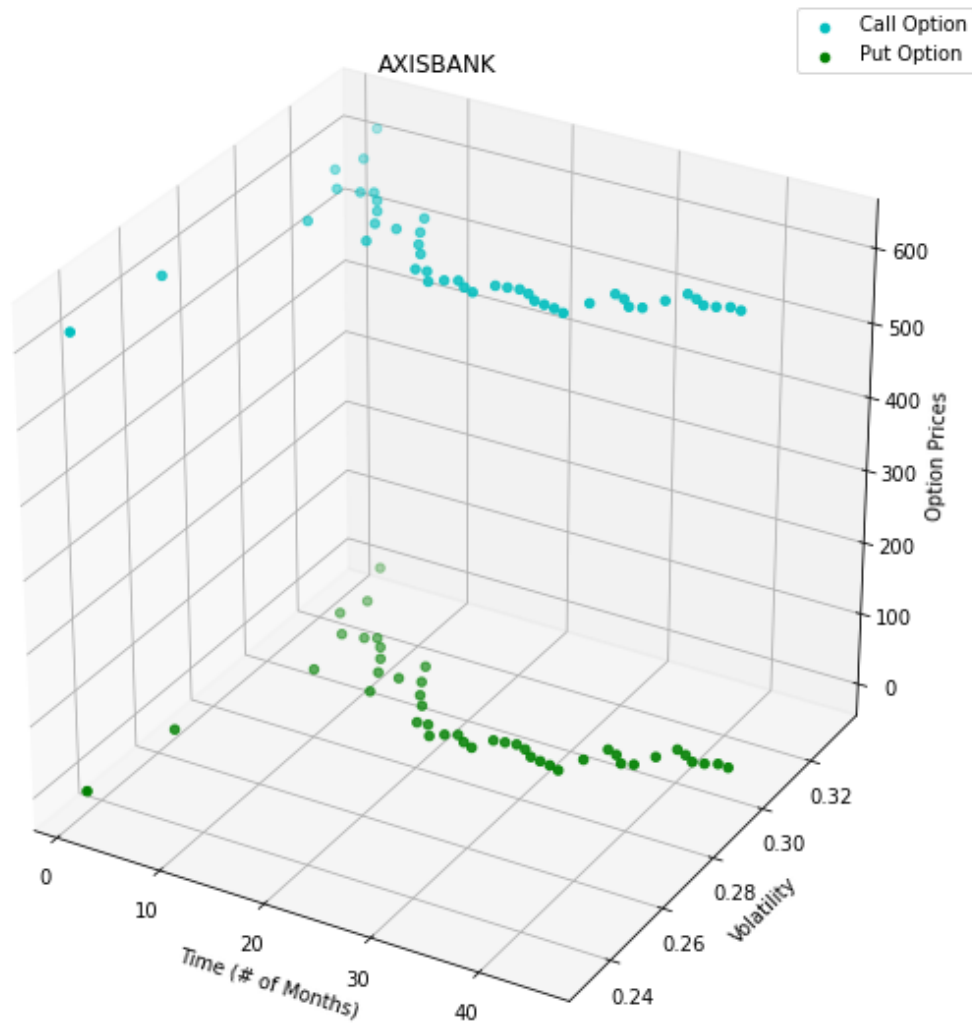
Part A

Historical Volatility of last one month's data = 0.23192

Part B

Call Prices for different K values = [618.75041 619.25754 618.17265 619.68747]

Put Prices for different K values= [0.08857 0.02662 0.19369 0.0013]



Stock : HDFC Market : BSE

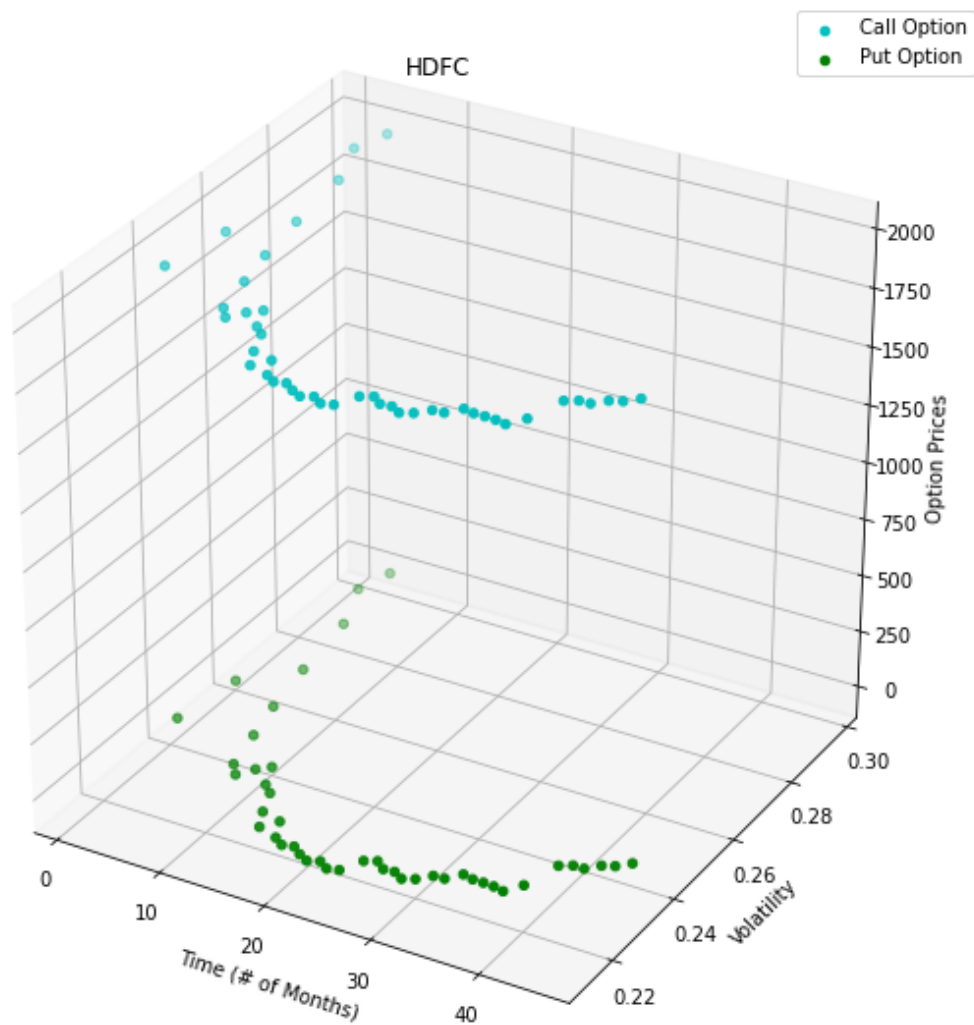
Part A

Historical Volatility of last one month's data = 0.2393

Part B

Call Prices for different K values = [1966.73215 1968.30082 1964.9572
1969.64424]

Put Prices for different K values= [0.34968 0.10958 0.74524 0.00599]



Stock : ICICIBANK

Market : BSE

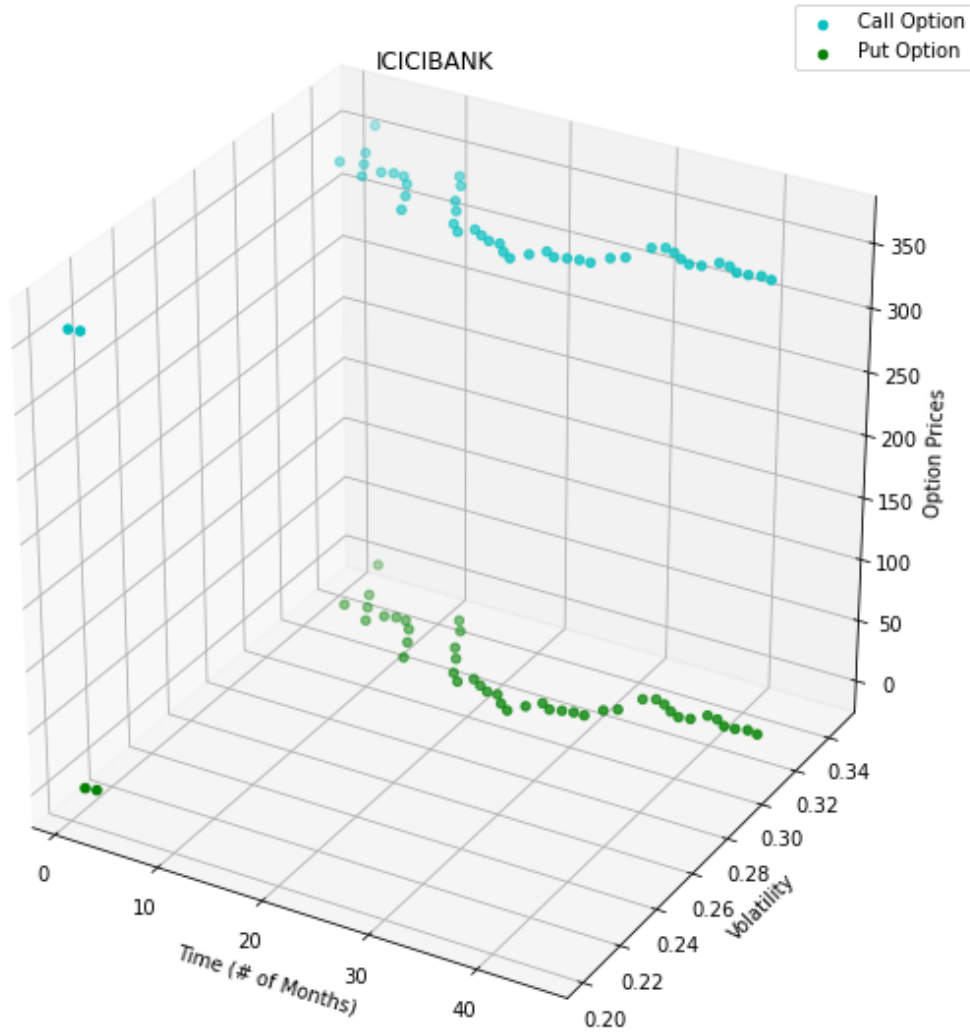
Part A

Historical Volatility of last one month's data = 0.20221

Part B

Call Prices for different K values = [359.35569 359.67352 358.98422 359.934]

Put Prices for different K values= [0.01676 0.00406 0.04193 0.00011]



Stock : ITC

Market : BSE

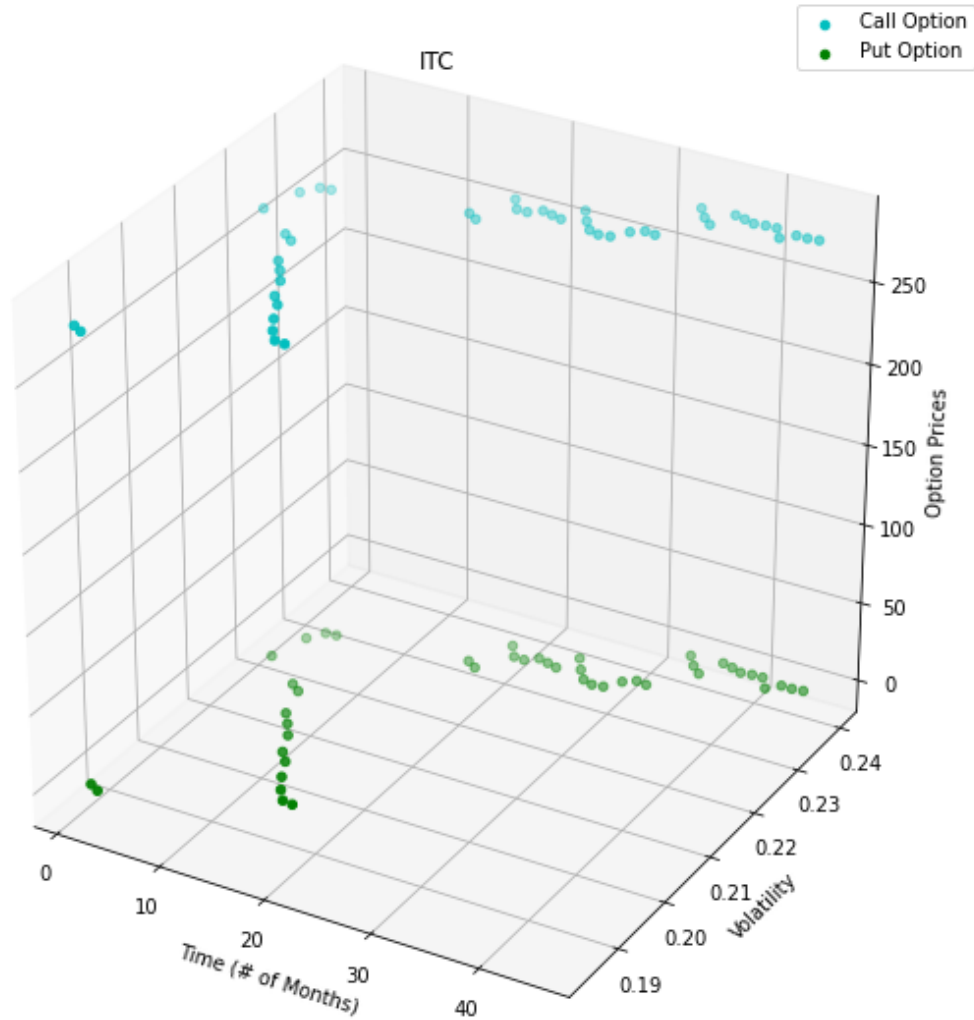
Part A

Historical Volatility of last one month's data = 0.18462

Part B

Call Prices for different K values = [281.13801 281.39245 280.83707 281.59829]

Put Prices for different K values= [5.210e-03 1.050e-03 1.459e-02 2.000e-05]



Stock : LT Market : BSE

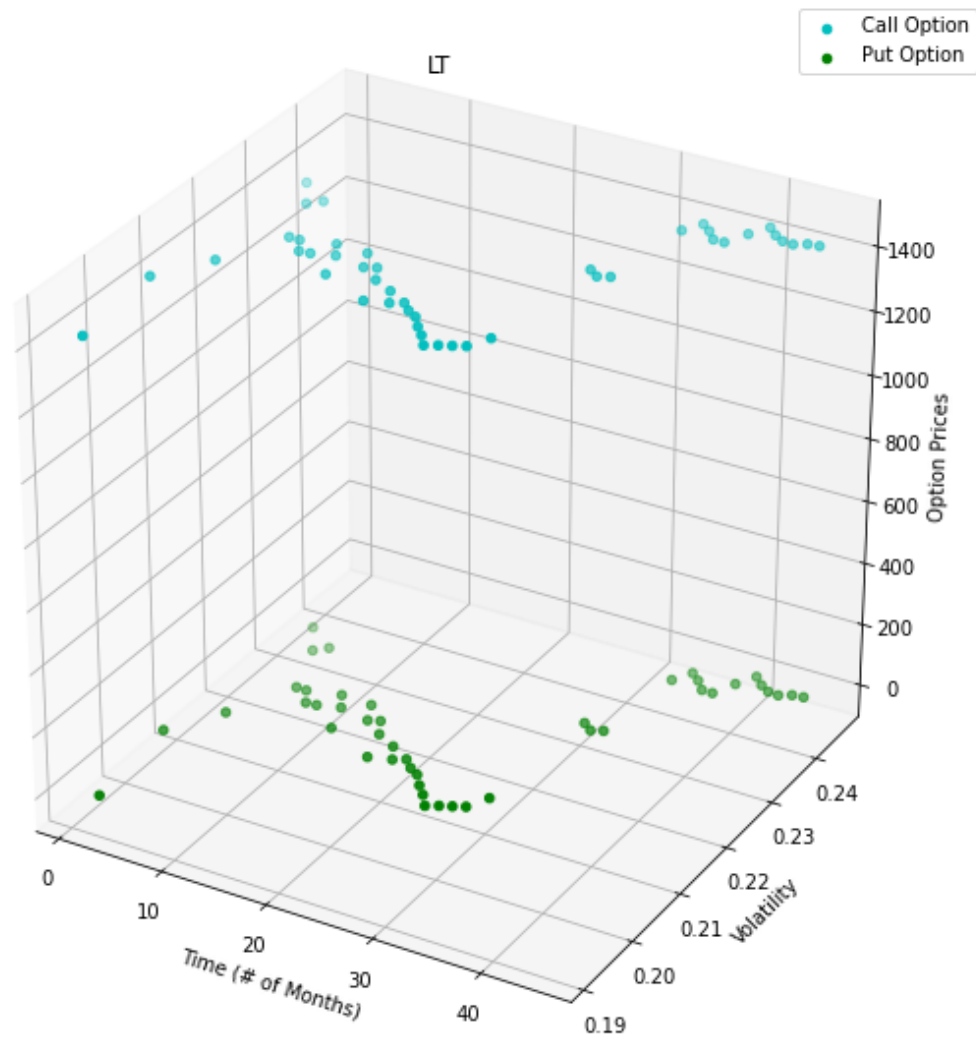
Part A

Historical Volatility of last one month's data = 0.2056

Part B

Call Prices for different K values = [1435.93645 1437.19868 1434.46509 1438.23642]

Put Prices for different K values= [0.07797 0.01944 0.19153 0.00057]



Stock : RELIANCE

Market : BSE

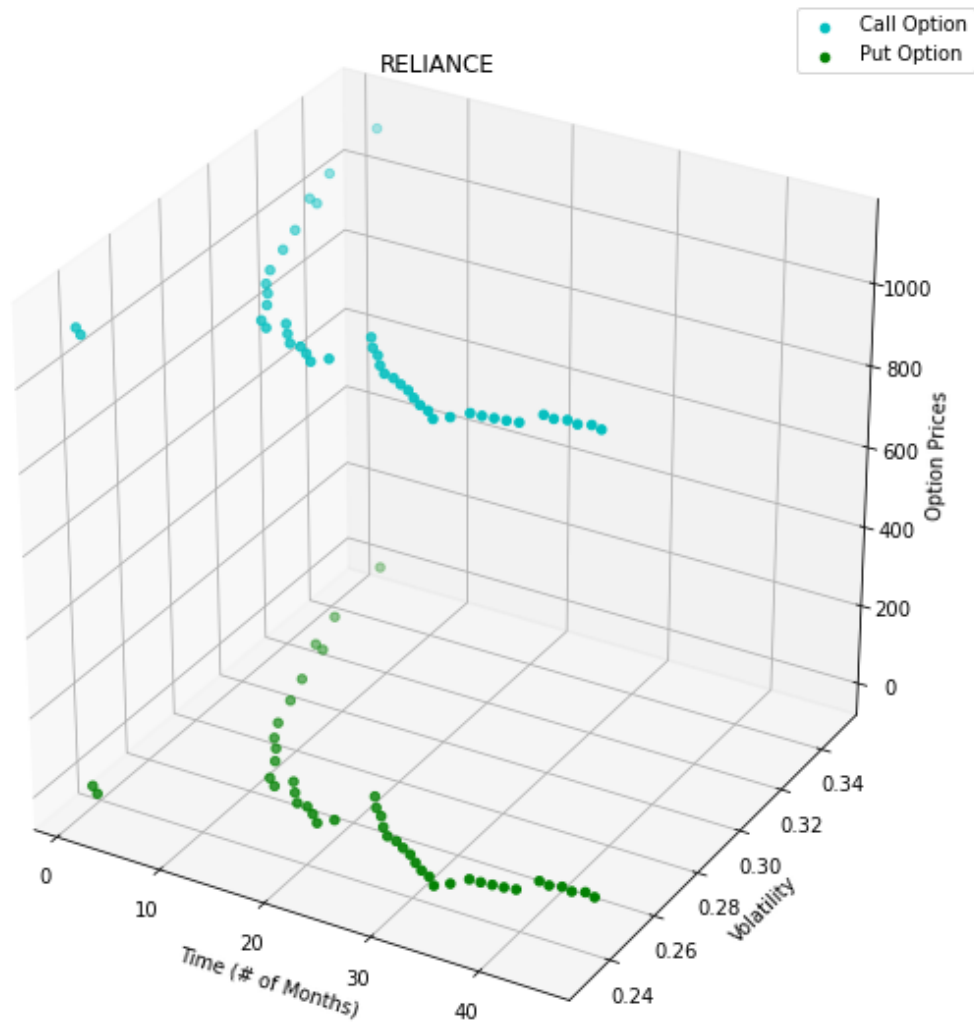
Part A

Historical Volatility of last one month's data = 0.23301

Part B

Call Prices for different K values = [1119.15708 1120.07086 1118.11707
1120.84668]

Put Prices for different K values= [0.16562 0.05011 0.36077 0.00249]



Stock : SUNPHARMA

Market : BSE

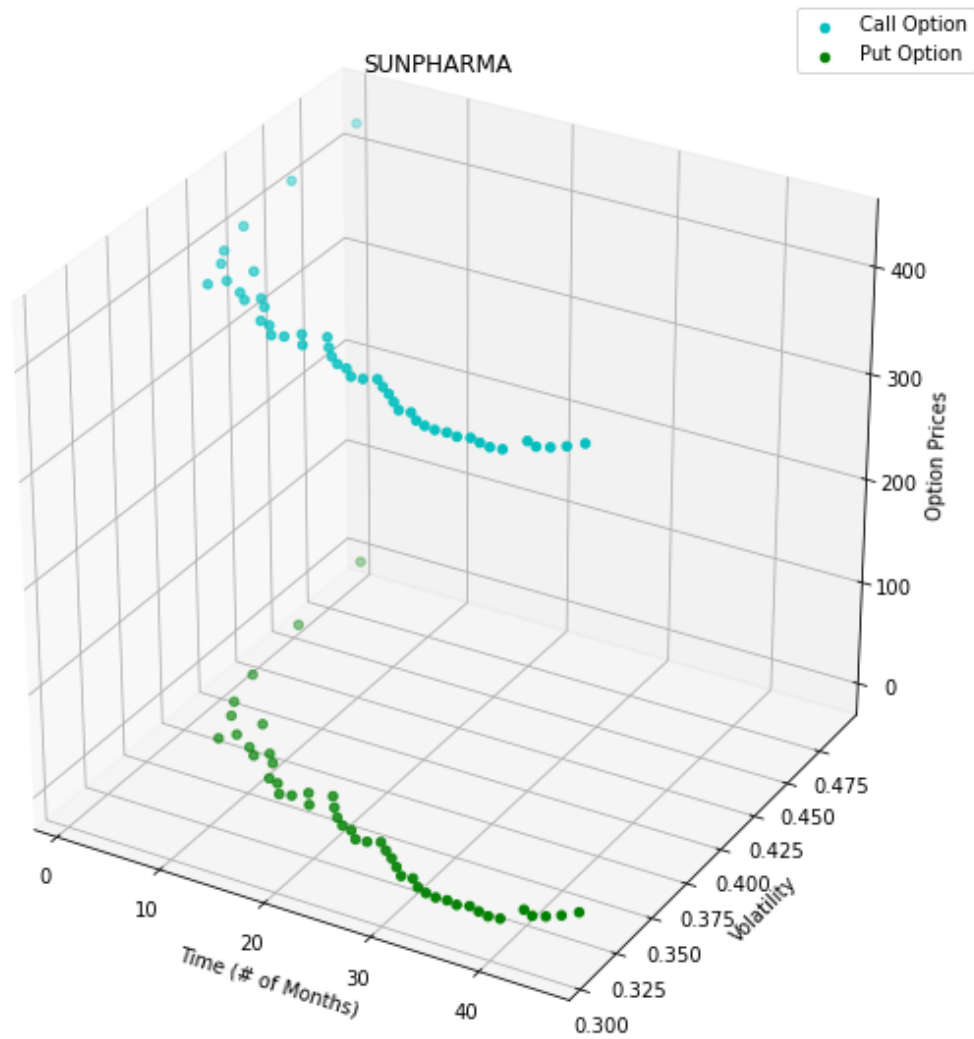
Part A

Historical Volatility of last one month's data = 0.49064

Part B

Call Prices for different K values = [430.58659 430.6104 430.56338 430.63734]

Put Prices for different K values= [0.7274 0.35581 1.17867 0.06643]



Stock : TATAMOTORS

Market : BSE

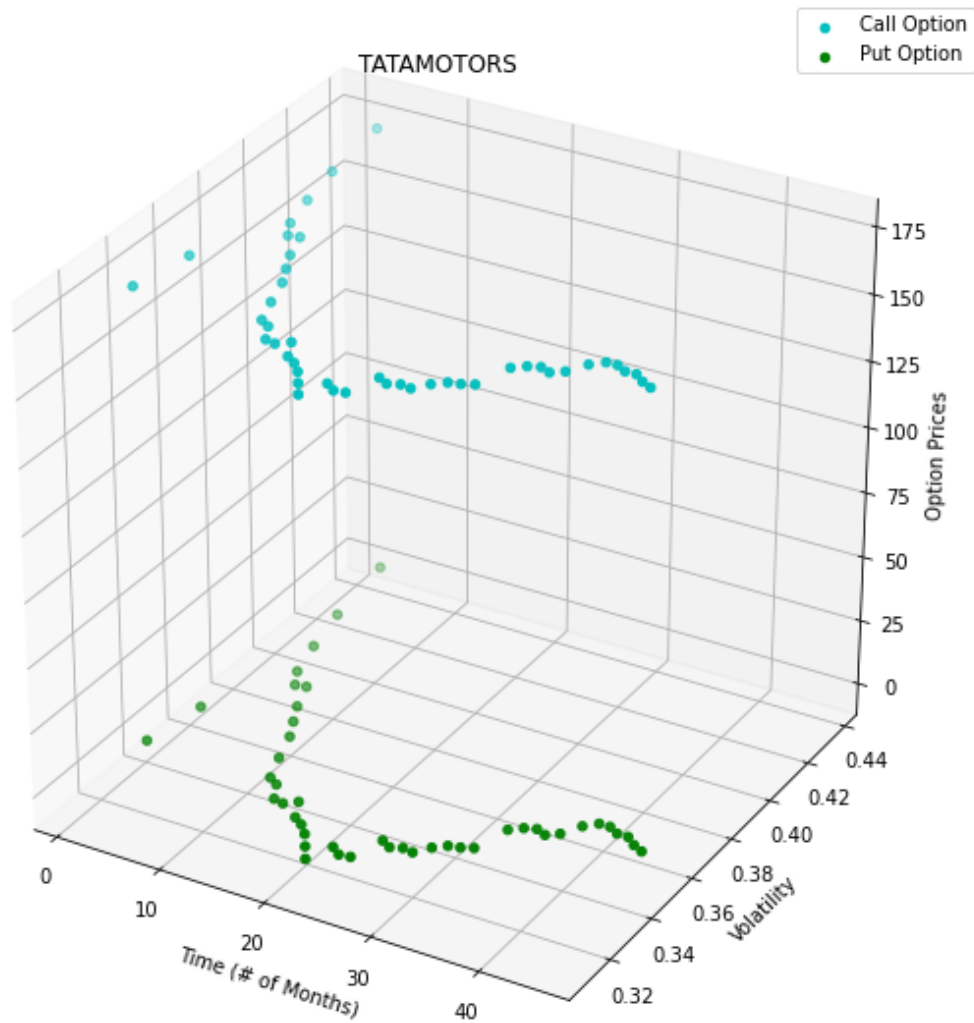
Part A

Historical Volatility of last one month's data = 0.33629

Part B

Call Prices for different K values = [172.43649 172.50709 172.36277 172.57666]

Put Prices for different K values= [0.15343 0.06556 0.26988 0.00835]



Stock : TCS Market : BSE

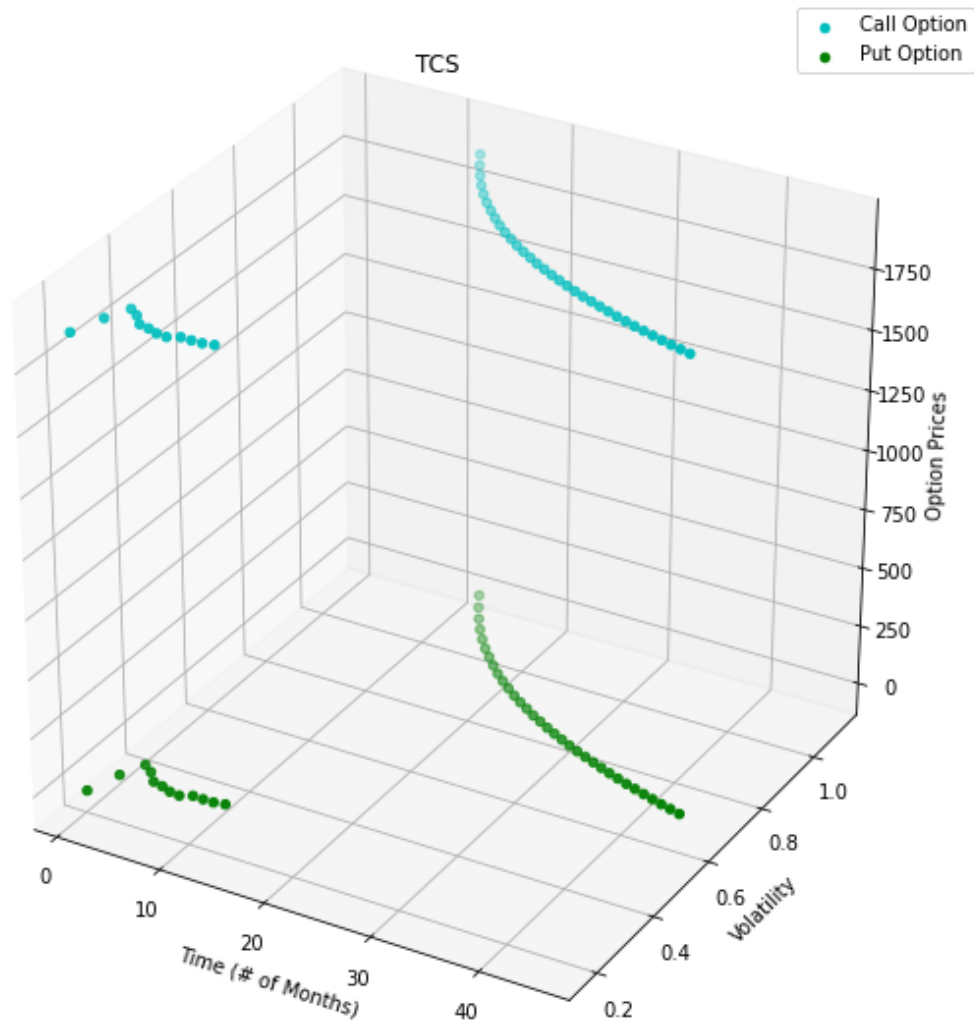
Part A

Historical Volatility of last one month's data = 0.17299

Part B

Call Prices for different K values = [1890.08928 1891.81433 1888.03692
1893.20237]

Put Prices for different K values= [1.636e-02 2.840e-03 5.029e-02 3.000e-05]



Stock : WIPRO Market : BSE

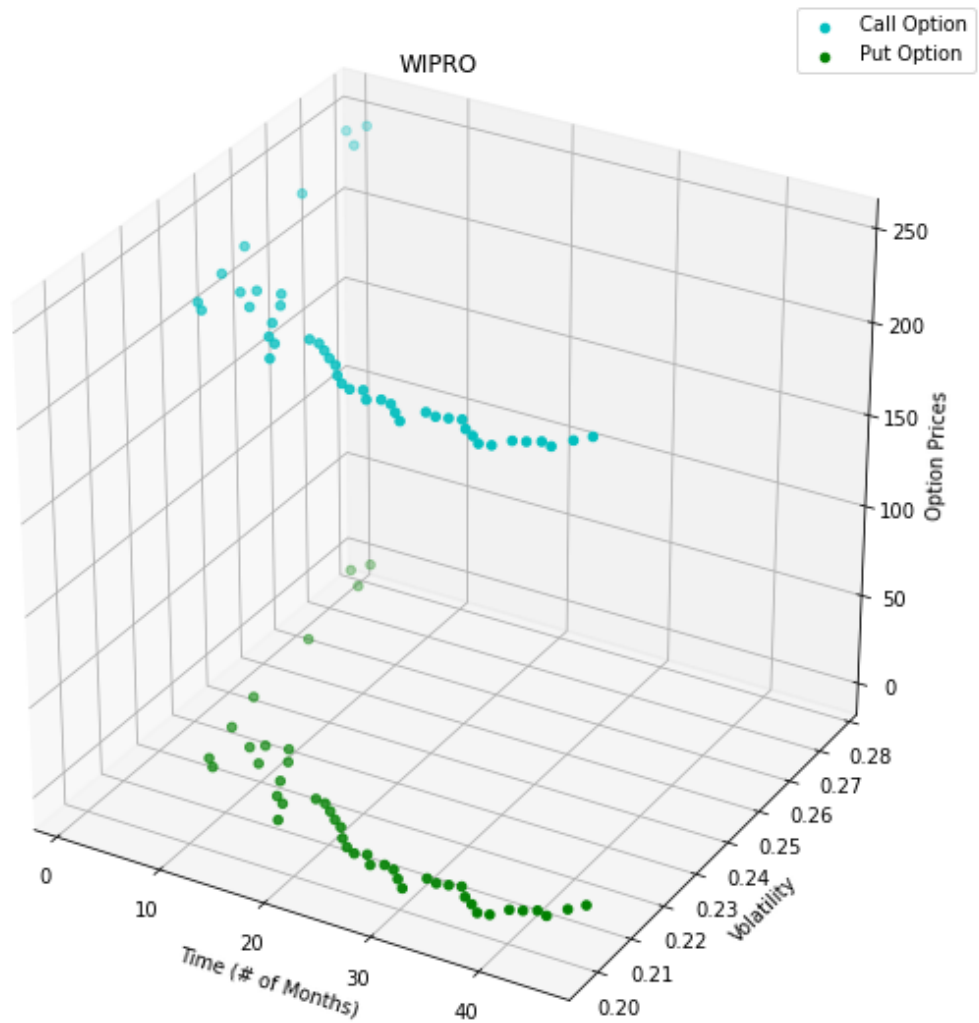
Part A

Historical Volatility of last one month's data = 0.27367

Part B

Call Prices for different K values = [247.32968 247.49574 247.14762 247.64541]

Put Prices for different K values= [0.0965 0.03515 0.18735 0.00289]



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Stock : AXISBANK

Market : NSE

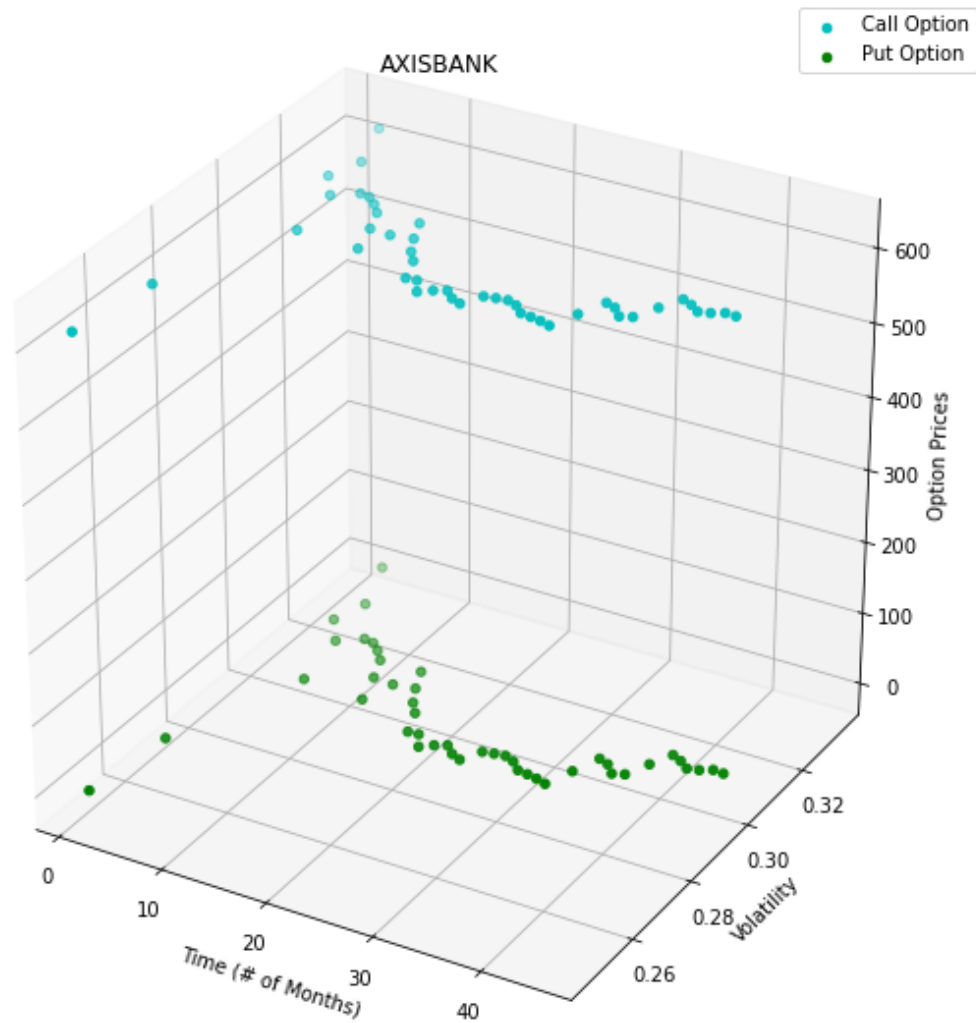
Part A

Historical Volatility of last one month's data = 0.24613

Part B

Call Prices for different K values = [618.8939 619.37377 618.35437 619.78877]

Put Prices for different K values= [0.1322 0.04291 0.27566 0.00258]



Stock : HDFC Market : NSE

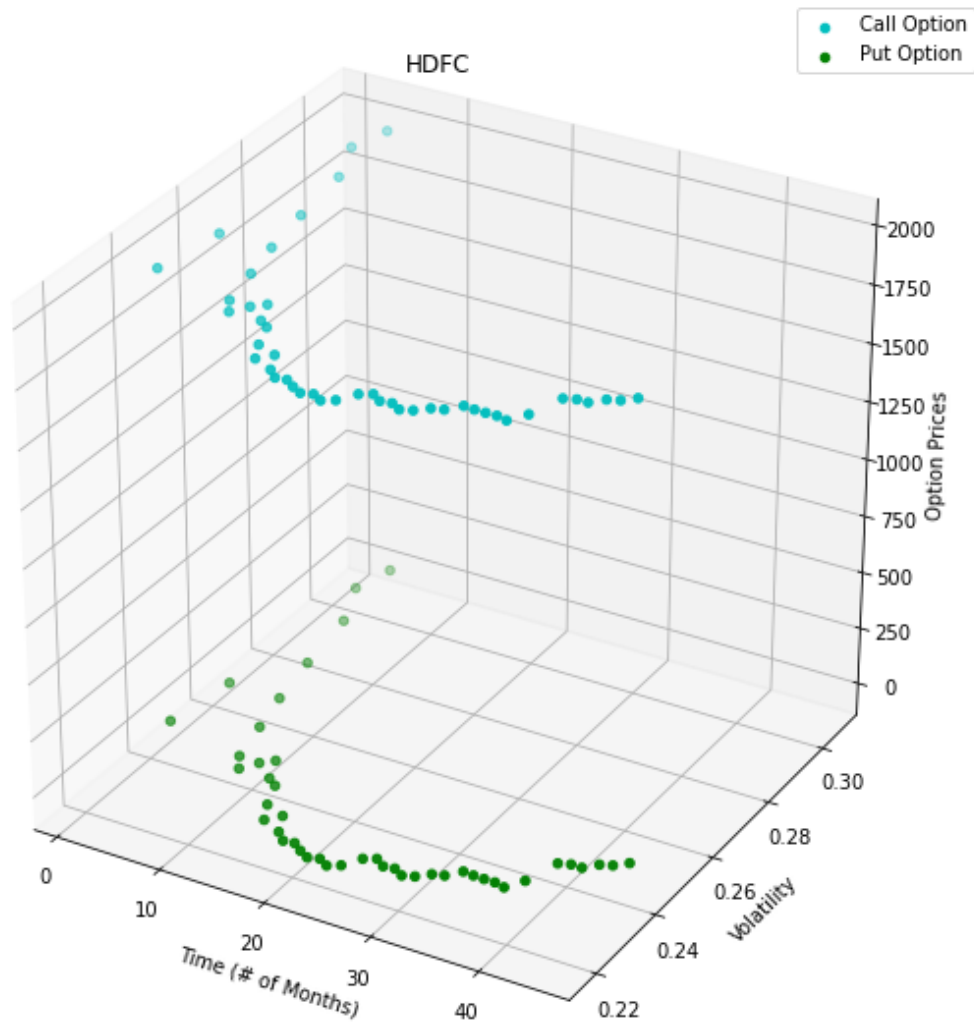
Part A

Historical Volatility of last one month's data = 0.24345

Part B

Call Prices for different K values = [1965.12681 1966.66805 1963.38962 1967.9958
]

Put Prices for different K values= [0.39132 0.12532 0.82283 0.00727]



Stock : ICICIBANK

Market : NSE

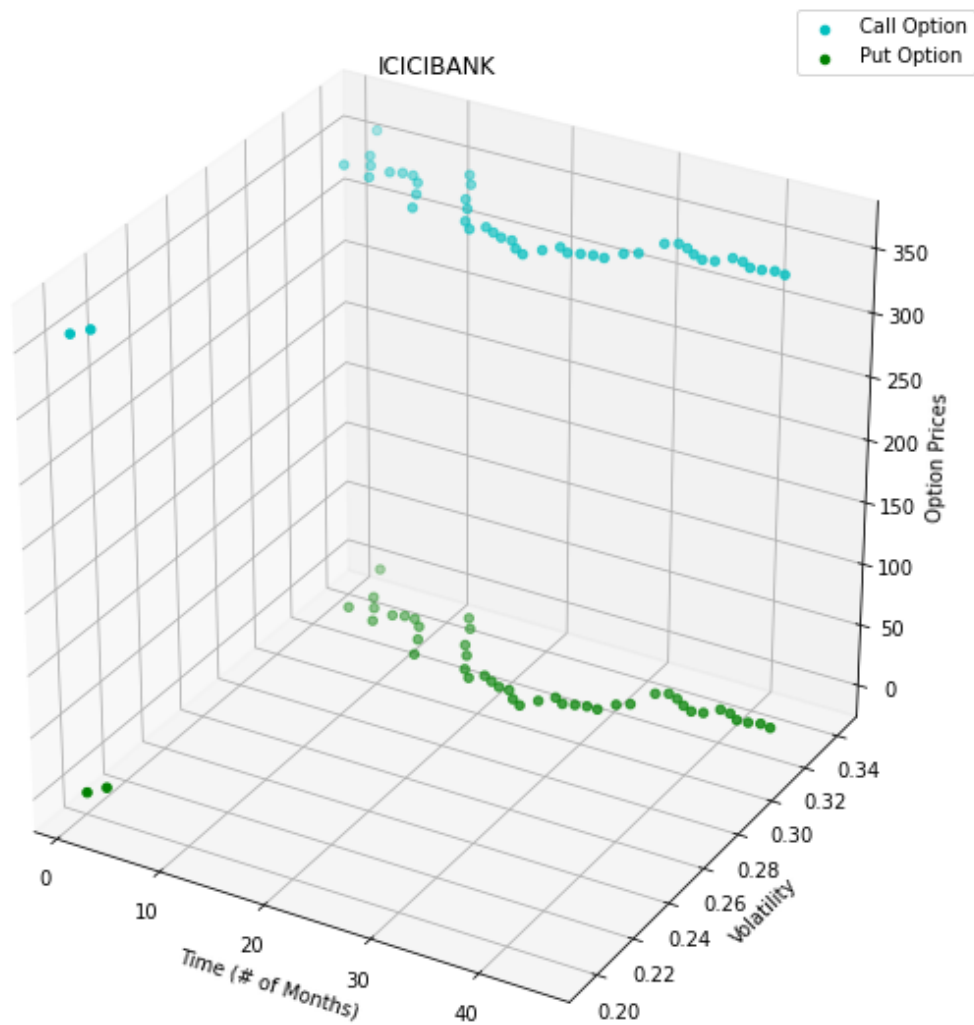
Part A

Historical Volatility of last one month's data = 0.19574

Part B

Call Prices for different K values = [359.50092 359.82212 359.12373 360.08392]

Put Prices for different K values= [1.227e-02 2.800e-03 3.189e-02 6.000e-05]



Stock : ITC Market : NSE

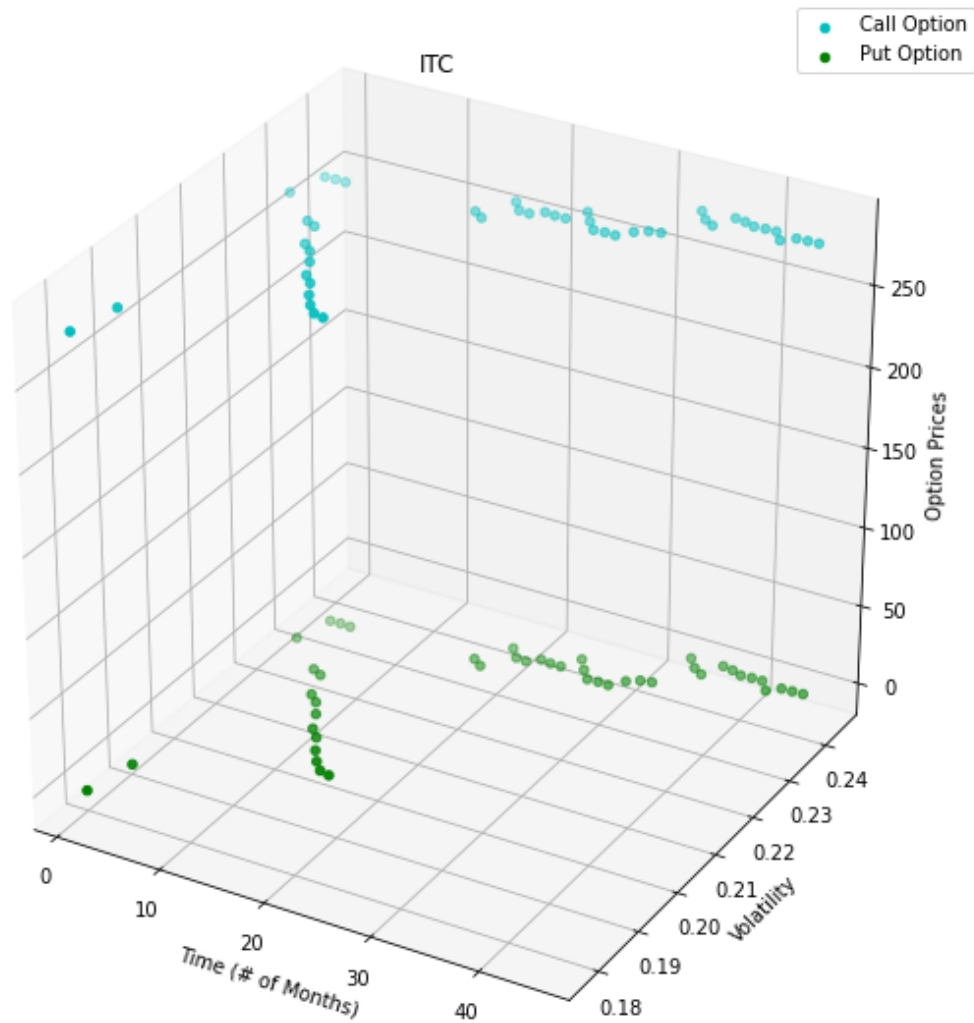
Part A

Historical Volatility of last one month's data = 0.17765

Part B

Call Prices for different K values = [281.13616 281.39202 280.8324 281.59828]

Put Prices for different K values= [3.36e-03 6.20e-04 9.92e-03 1.00e-05]



Stock : LT Market : NSE

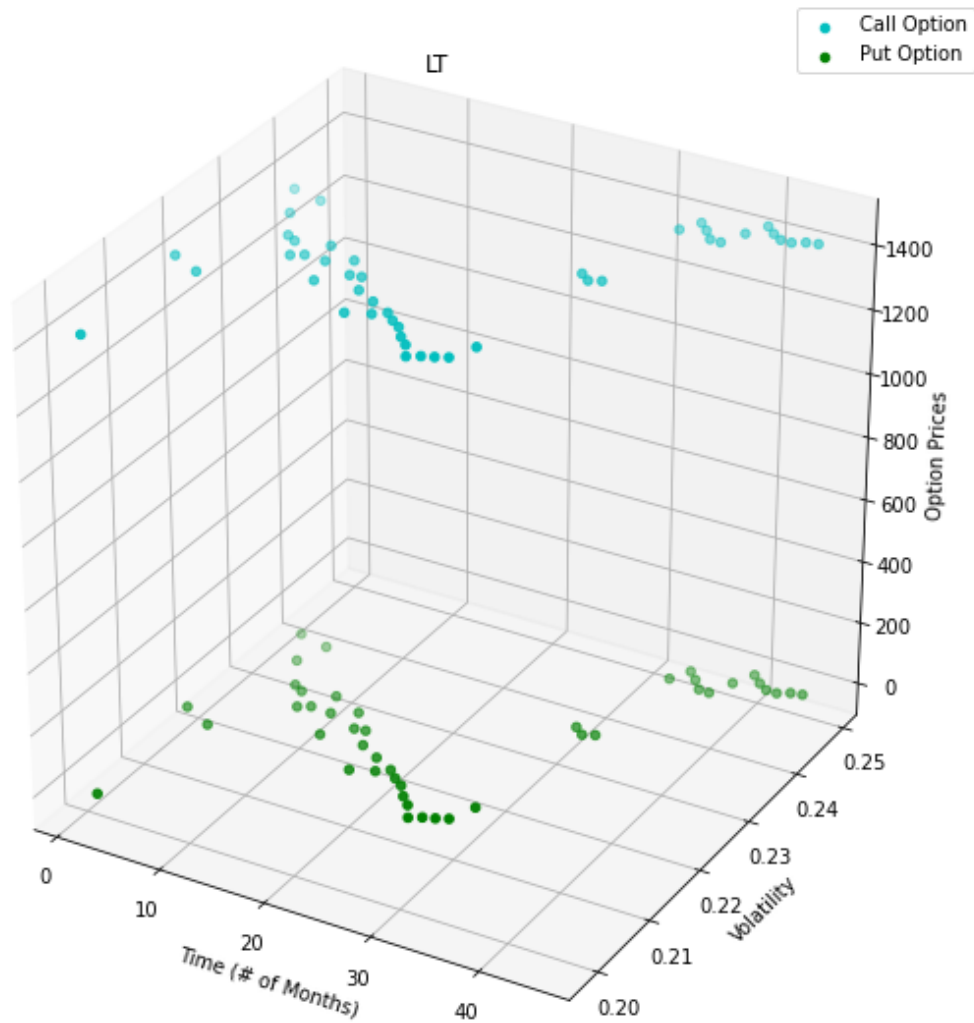
Part A

Historical Volatility of last one month's data = 0.21623

Part B

Call Prices for different K values = [1435.03043 1436.26274 1433.60659 1437.28727]

Put Prices for different K values= [0.12016 0.03258 0.28019 0.0012]



Stock : RELIANCE

Market : NSE

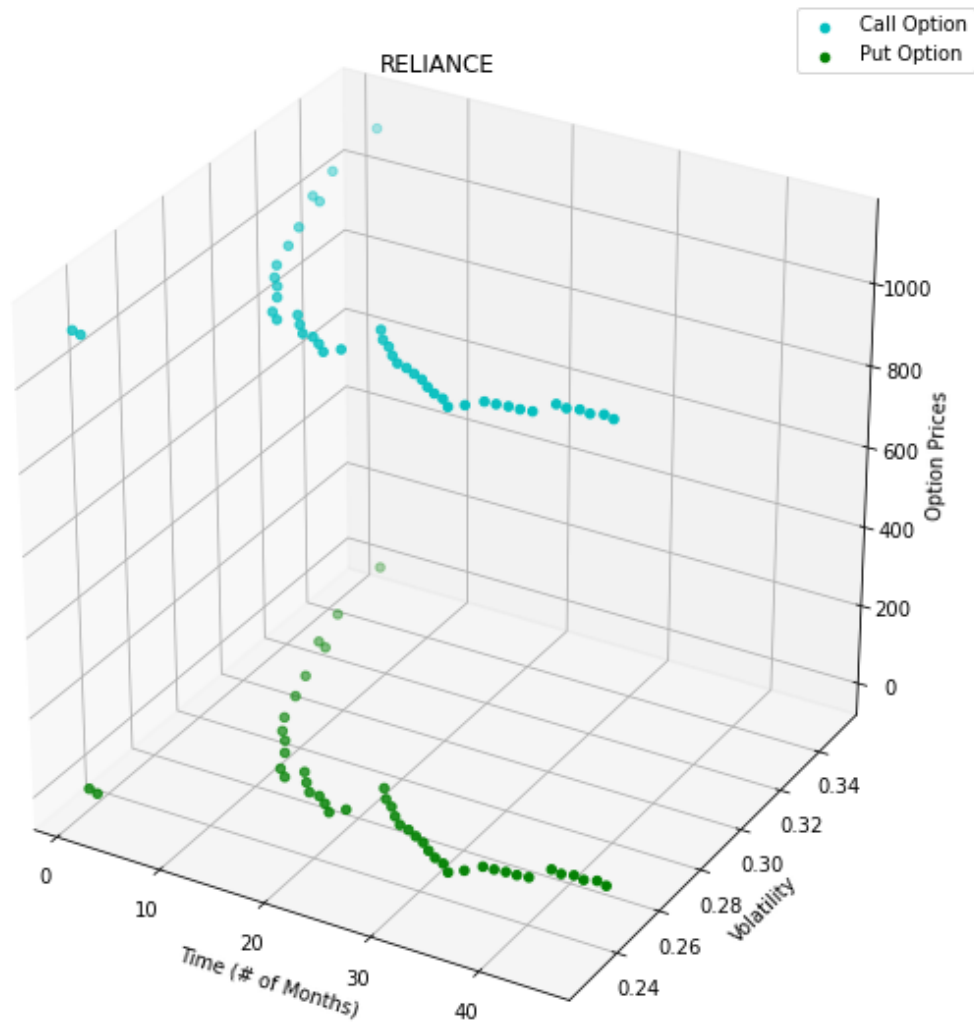
Part A

Historical Volatility of last one month's data = 0.22796

Part B

Call Prices for different K values = [1119.33242 1120.26201 1118.26951 1121.046]

Put Prices for different K values= [0.14138 0.04149 0.31384 0.0019]



Stock : SUNPHARMA

Market : NSE

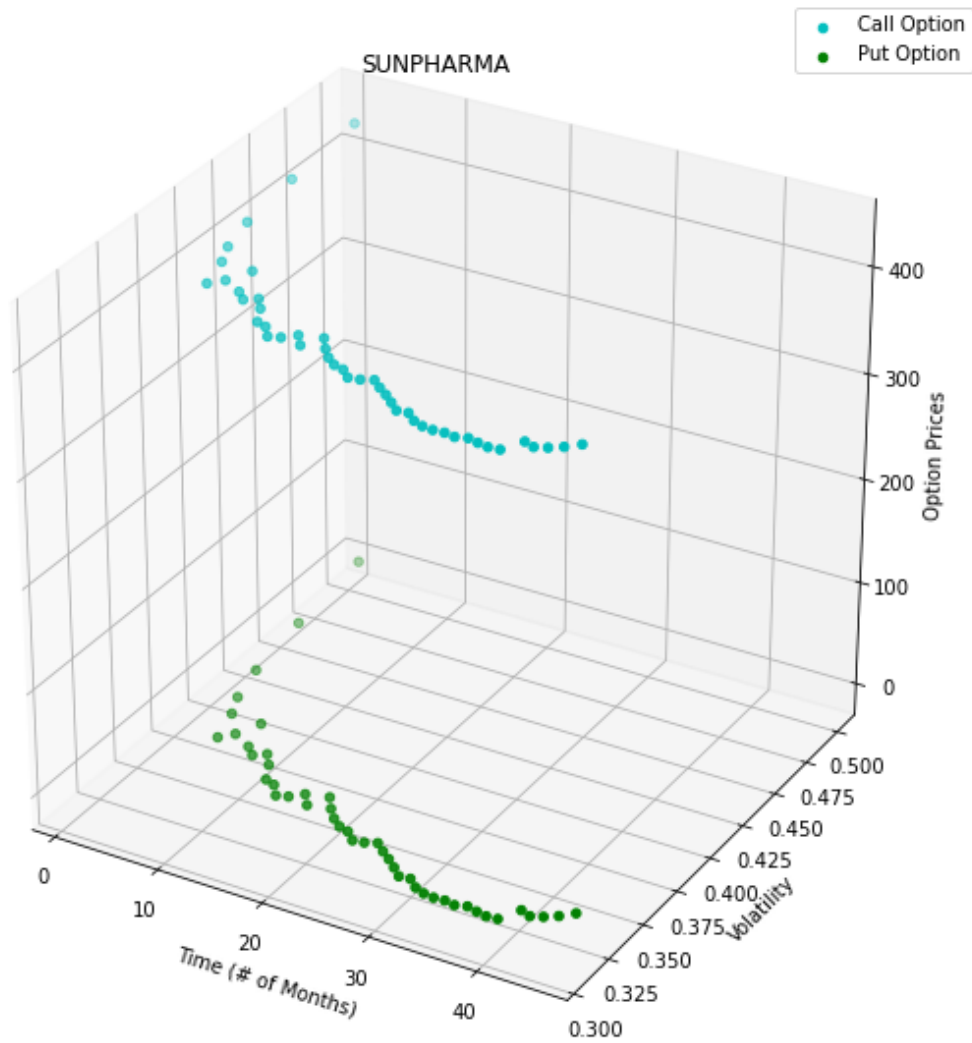
Part A

Historical Volatility of last one month's data = 0.50032

Part B

Call Prices for different K values = [430.44544 430.46579 430.42564 430.48895]

Put Prices for different K values= [0.73597 0.36105 1.19049 0.068]



Stock : TATAMOTORS

Market : NSE

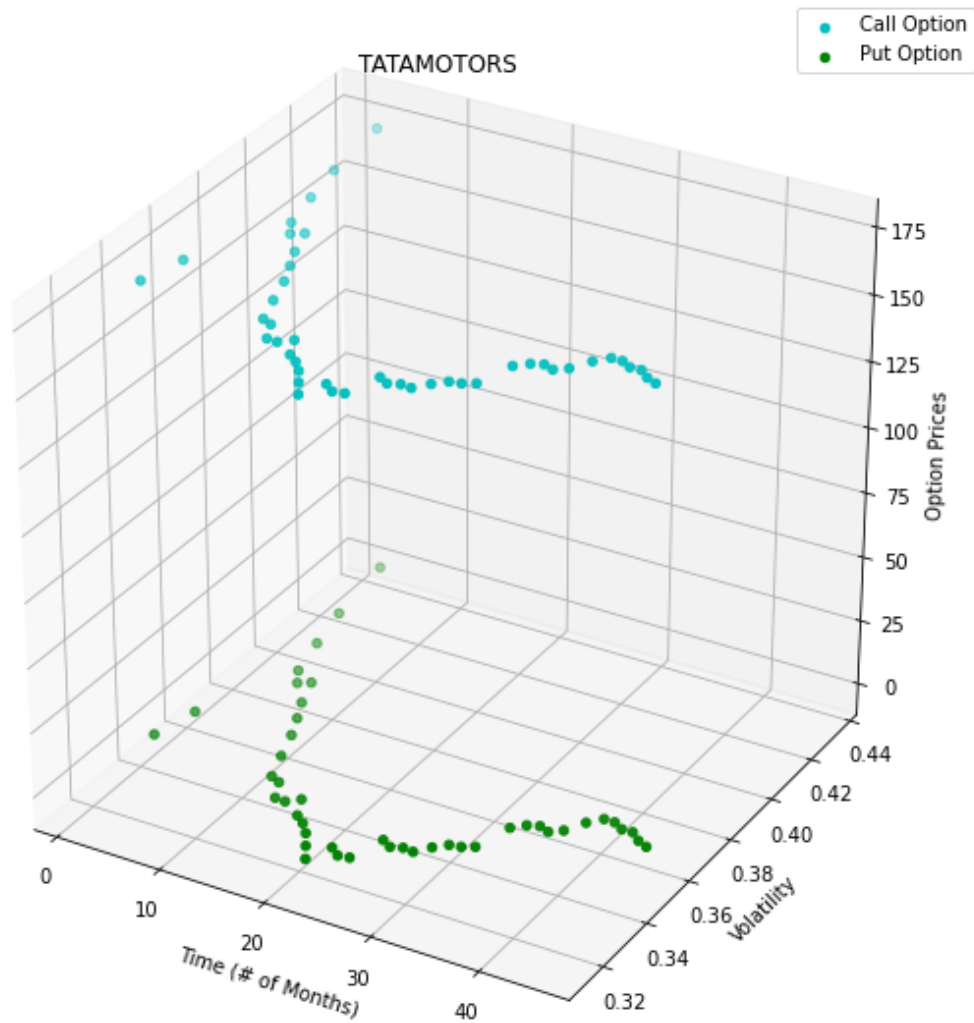
Part A

Historical Volatility of last one month's data = 0.34187

Part B

Call Prices for different K values = [172.54407 172.61098 172.47445 172.67738]

Put Prices for different K values= [0.1612 0.06955 0.28187 0.0091]



Stock : TCS Market : NSE

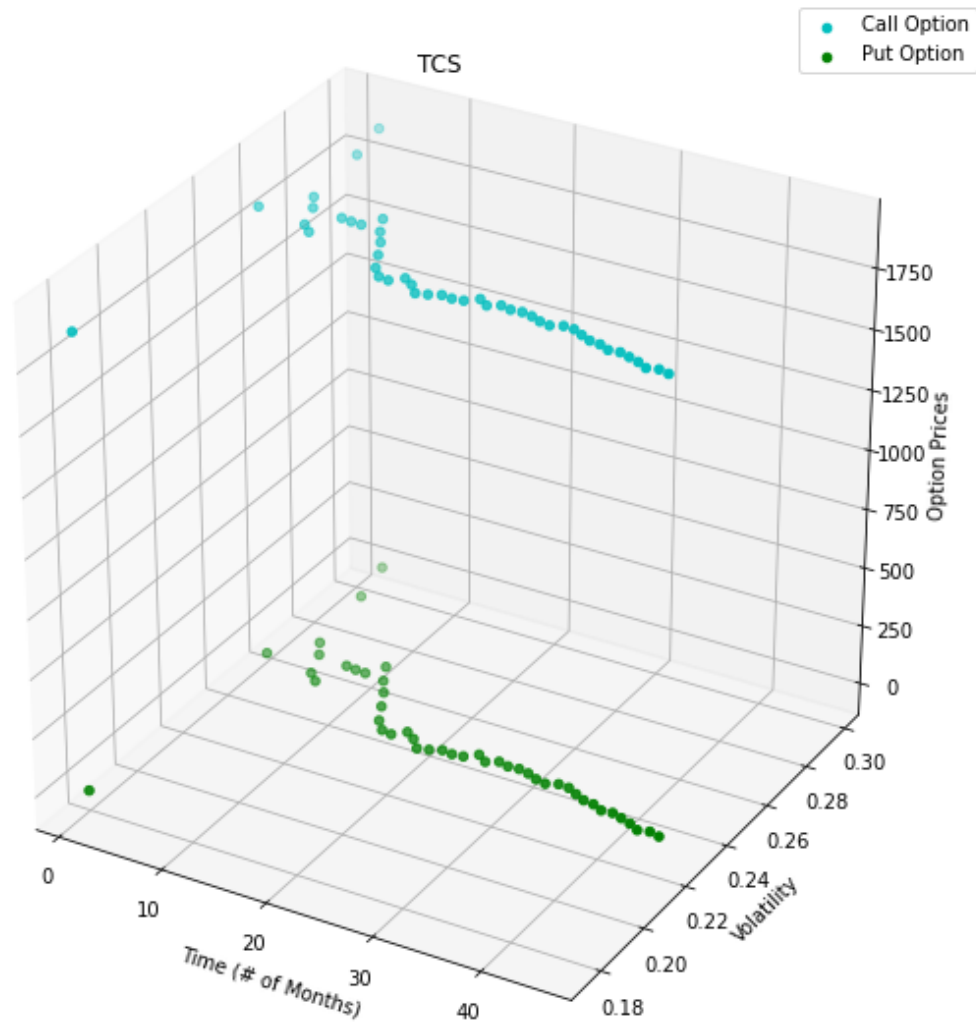
Part A

Historical Volatility of last one month's data = 0.17549

Part B

Call Prices for different K values = [1889.59334 1891.31545 1887.54676
1892.70247]

Put Prices for different K values= [1.951e-02 3.510e-03 5.866e-02 4.000e-05]



Stock : WIPRO Market : NSE

Part A

Historical Volatility of last one month's data = 0.24867

Part B

Call Prices for different K values = [247.73777 247.92771 247.52473 248.09258]

Put Prices for different K values= [0.05644 0.01854 0.11679 0.00115]

