**Solution Sheet**

1. Which model have you used for stock price prediction? Explain your model.

The model I used over here is the multiple regression model, this model gave me a result with an accuracy of 86 percent. Recent studies in stock market prediction suggest that there are many factors that are considered to be correlated with future stock market prices. Nonetheless, using too many financial and economical factors can overload the prediction system

As a result, one of the initial and most challenging steps of stock market prediction is determining the manageable amount of the input variables which have the strongest forecasting ability and can be used as inputs to a prediction system, In order to understand which of the input variables are significant and driving the output, Multiple Regression Analysis is implemented in our model.

1. Which model have you used for Put-Call ratio Time series prediction? Explain your model.