**Solution Sheet**

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

We have used Regression models because we believe that classification is not suitable because there is no need to classify the data to certain classes. In regressions also we have gone different types and came to one best suitable model i.e. Random Forest Regressor.

As we know that regression models are supervised learning and also know that Random forest uses ensemble technique which means it combines multiple regression models to achieve more accurate results. We know that random forest operates by creating multiple decision trees. These trees are created at training time and this results in outputting the mean prediction (in regression) of individual trees.

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

According to some trusted websites like towardsdatascience.com and Internet information, we believe that the given data set is not a Time series data as in the dataset, date-time is given as attribute but it is expected to be tuple. So, therefore we are not able to train it as per our knowledge. If we are wrong then please let us know.