**Solution Sheet**

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

We have used Linear Regression model for stock price prediction. It calculates one scalar response based on one or more explanatory variables. In our case, it predicts the stock price based on all other given features.

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

We solve time series model using autoregression model. Statsmodels.tsa.ar\_model has the AutoReg module which produces a model for time series model.