**Solution Sheet**

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

Since there are lot of categorical parameters, a random forest regressor ( the random forest regressor was also tuned) has been used. The categorical parameters were encoded using one hot encoder.

1. Which model have you used for Diuresis Time series prediction? Explain your model.

A linear model has been used for the diuresis Time Series prediction.

The 27th march value in the train data has been predicted by polynomial regression(degree 2). This is used as the true 27th March value, and the 20th March value is the only feature used for predicting this. A linear fit works well.