**Solution Sheet**

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

Ans:I have used Ordinary Least Squares Regression Method. In this firstly I had done the data cleaning then after I had done the exploratory data analysis for feature engineering and found the dependent and the target variables. The dependent variables are listed the python notebook and after that I had done the label encoding for character data. Since there are multiple dependent variables, so I went on with the Ordinary least squares method and trained the model and tested the model with testing data set and found the values of infected probability of the test data.

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