

# **Solution Sheet**

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

I used Neural network model for probability prediction. First of all there were sum null values which were replaced by suitable preprocessing values and then neural net was applied with last layer as our sigmoid activation. My error was of approx 0.035 (mean absolute error).

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

I have not worked much on time series, so I used linear regression on the time series, I trained it on 20<sup>th</sup> to 25<sup>th</sup> , with 26<sup>th</sup> as my label and then for 27<sup>th</sup> I considered testing as 21<sup>st</sup> to 26<sup>th</sup> .