**Solution Sheet**

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

Data preprocessing:

1) I have dropped the ‘designation’ and ‘name’ columns

2) I have made the missing data to be 0 for ‘Children’ , ‘Insurance’ , ‘Salary’ , ‘FT/Month’ columns , ‘None’ for ‘Occupation’ and ‘comorbidity’ columns , ‘Normal’ for ‘Cardiological pressure’ column .

3) For 'Diuresis','Platelets','HBB','d-dimer','Heart rate','HDL cholesterol','Charlson Index','Blood Glucose' columns , I have made the missing data to be the mean of the other values in the respective columns .

4) I have used the RandomForestRegression Model

And I have taken the number of estimators to be 1000

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