**Solution Sheet**

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

Answer:

I have used Linear regression in the prediction model, because the relationship of Infect\_Prob of the train dataset was linear in the case that can predict the outcome in a more perfect way, the representation was simple according to it.

This is the reason for using the linear regression but according to me the SVM could be another algorithm that can be used to predict the model perfectly, because in the datasets there were too many support vectors although it was huge dataset so hard to find but, this powerful algorithm could do it up to some extent.

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

ANSWER: I ATTEMPTED THE PART 1 ONLY.