**Solution Sheet**

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

I have used a neural network with following specifications

Model: "sequential"

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Layer (type) Output Shape Param #

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dense (Dense) (None, 32) 768

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dense\_1 (Dense) (None, 64) 2112

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dense\_2 (Dense) (None, 32) 2080

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dense\_3 (Dense) (None, 1) 33

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Total params: 4,993

Trainable params: 4,993

Non-trainable params: 0

The model is trained on “mean\_squared\_error” and 23 input\_dimensions neglecting variables like ['people\_ID', 'Region', 'Designation', 'Name'] using adam optimizer.

Final mean\_squared\_error = 0.0072

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