

## Mid-semester Test

March 01, 2025: 14:30 – 16:30

### Part – 2

After about 45 minutes your friend comes back and updates you ...

“The Analytics team has done its bit and they said they have fitted a prediction model. At this point I do not have much details about what they have exactly done. However, they have informed me that there is a problem!”

“The prediction model created using the data given earlier was tried out on a fresh batch of data. This data is contained in the file – **data-for-validation.csv**. It seems the prediction model is not performing as expected. We are in a fix! Can you please troubleshoot the situation and **only identify the reasons for the poor performance – don’t fix the model**. The Analytics team will decide the next steps based on your analysis.”

“Hope you are really able to help us out by solving this ‘non-performance’ puzzle of the model!”

“Our VP is awaiting a detailed report ... BTW, just in case you are planning to include histograms in your report, you should know that **our VP hates histograms**! He says, he gets confused by all those bars in the histogram! He prefers a smoother rendition of distributions!”.