The question refers to the notebook with the "Privacy-Protection in FL" assignment.

Section 3.4.2 studies the usefulness of privacy preserving features by training a model for predicting a private attribute. High level of privacy protection should result in relatively large validation errors of the trained predictor. Choose the interval that contains the normalized validation error obtained after training a model for predicting the private attribute using privacy-preserving features. The validation error is normalized

by the (sample) variance of the private attribute values.

a. [0, 0.5] ☑ b. [0.5, 1.5] **✓**

c. [1.5, 2.5]

d. [2.5, 3.5] e. [3.5, 4.5]

f. [4.5, 5.5] g. [5.5, 6.5]

h. [6.5, 7.5]

Your answer is correct. Please, join Slack channel (link) to discuss the coding assignment.

The correct answer is:

[0.5, 1.5]

Question 7

The question refers to the notebook for the "Privacy-Protection in FL" assignment. Section 3.4.3 evaluates the utility of privacy-preserving features in terms of how well they allow to predict the temperature of a weather recording (= label of data point). In particular, you had to

compute the validation error of a trained linear model using the privacy-preserving features. How much larger is this validation error compared to the validation error obtained from a trained linear model using the original features?

a. Approximately 5 times. ■ b. Approximately 6 times.

c. Approximately 3 times. ✓ d. Approximately 2 times.

e. Approximately 4 times.

Please, join Slack channel (link) to discuss the coding assignment.

Your answer is correct.

The correct answer is: Approximately 2 times.

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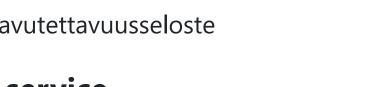
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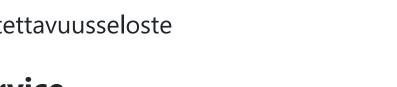
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