Instructions for Graded Review Questions

1. Time allowed: **Unlimited**

   - We encourage you to go back and review the materials to find the right answer

   - Please remember that the Review Questions are worth 50% of your final mark.

2. Attempts per question:

   - One attempt - For True/False questions

   - Two attempts - For any question other than True/False

3. Clicking the "**Final Check**" button when it appears, means your submission is **FINAL**. You will **NOT** be able to resubmit your answer for that question ever again

4. Check your grades in the course at any time by clicking on the "Progress" tab

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REVIEW QUESTION 1 (1/1 point)

Which of the following is generally true about the evaluation models: Train and Test on the Same Dataset and Train/Test Split.

○ Train and Test on the Same Dataset has a high training accuracy and high out-of-sample accuracy, while Train/Test Split has a low training accuracy and low out-of-sample accuracy.

○ Train and Test on the Same Dataset has a low training accuracy and high out-of-sample accuracy, while Train/Test Split has a high training accuracy and low out-of-sample accuracy.

● Train and Test on the Same Dataset has a high training accuracy and low out-of-sample accuracy, while Train/Test Split has a low training accuracy and high out-of-sample accuracy. ✔

○ Train and Test on the Same Dataset has a low training accuracy and low out-of-sample accuracy, while Train/Test Split has a high training accuracy and high out-of-sample accuracy.

You have used 2 of 2 submissions

REVIEW QUESTION 2 (1/1 point)

Which of the following is true about bias and variance?

Cookie Preferences

○ Having a high bias underfits the data and produces a model that is overly complex, while having high variance overfits the data and produces a model that is overly generalized.

◉ Having a high bias underfits the data and produces a model that is overly generalized, while having high variance overfits the data and produces a model that is overly complex. ✔

○ Having a high bias overfits the data and produces a model that is overly complex, while having high variance underfits the data and produces a model that is overly generalized.

○ Having a high bias overfits the data and produces a model that is overly generalized, while having high variance underfits the data and produces a model that is overly complex.

You have used 2 of 2 submissions

REVIEW QUESTION 3 (1/1 point)

Root Mean Squared Error is the most popular evaluation metric out of the three discussed, because it produces the same units as the response vector, making it easy to relate information.

◉ True ✔

○ False

You have used 1 of 1 submissions