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## Instructions for Graded Review Questions

- 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.
- Attempts per question:
  - One attempt - For True/False questions
  - Two attempts - For any question other than True/False
- 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
- Check your grades in the course at any time by clicking on the "Progress" tab

## REVIEW QUESTION 1 (1/1 point)

In K-Nearest Neighbors, which of the following is true:

- ☒ A very high value of K (ex.  $K = 100$ ) produces an overly generalised model, while a very low value of k (ex.  $k = 1$ ) produces a highly complex model. ✓
- ☐ A very high value of K (ex.  $K = 100$ ) produces a model that is better than a very low value of K (ex.  $K = 1$ )
- ☐ A very high value of k (ex.  $k = 100$ ) produces a highly complex model, while a very low value of K (ex.  $K = 1$ ) produces an overly generalized model.

You have used 2 of 2 submissions

## REVIEW QUESTION 2 (1/1 point)

A classifier with lower log loss has better accuracy.

- ☒ True ✓
- ☐ False

You have used 1 of 1 submissions

## REVIEW QUESTION 3 (1/1 point)

When building a decision tree, we want to split the nodes in a way that decreases entropy and increases information gain.

- ☒ True ✓
- ☐ False

You have used 1 of 1 submissions



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