# Graded Review Questions

## 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

## Review Question 1

1/1 point (graded)

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.

Submit You have used 1 of 2 attempts

✔ Correct (1/1 point)

## Review Question 2

1/1 point (graded)

A classifier with lower log loss has better accuracy.

- ◉ True ✔
- ○ False

Submit You have used 1 of 1 attempt

✔ Correct (1/1 point)

## Review Question 3

1/1 point (graded)

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

- ◉ True ✔
- ○ False

Submit You have used 1 of 1 attempt

✔ Correct (1/1 point)