

- ▶ Welcome!
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- ▶ Module 1 - Machine Learning
- ▶ Module 2 - Regression

▼ Module 3 - Classification

Learning Objectives

Intro to Classification (3:53)

K-Nearest Neighbors (9:12)

Evaluation Metrics (7:09)

Lab: KNN

Intro to Decision Trees (4:02)

Building Decision Trees (10:37)

Lab: Decision Trees

Intro to Logistic Regression (7:55)

Logistic vs Linear Regression (29:20)

Lab: Logistic Regression

Support Vector Machine (8:52)

Lab: Support Vector Machines

Graded Review Questions

Review Questions



- ▶ Module 4 - Clustering

- ▶ Module 5 -

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)

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 1 of 2 submissions

REVIEW QUESTION 2 (1/1 point)

A classifier with lower log loss has better accuracy.

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☒ True ✓

☐ False

You have used 1 of 1 submissions

► Final Exam

► Certificates and
Badges

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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