



- ▶ 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 - Recommender Systems
- ▶ Final Exam

## 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 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)

[Cookie Preferences](#)



☒ True ✓

☐ False

*You have used 1 of 1 submissions*