



▶ Welcome!

▶ About this course

▶ Module 1 - Machine Learning

▼ Module 2 - Regression

Learning Objectives

Intro to Regression (4:52)

Simple Linear Regression (12:50)

Lab: Simple Linear Regression

Multiple Linear Regression (13:39)

Model Evaluation (8:27)

Evaluation Metrics (3:06)

Non-Linear Regression (7:35)

Lab: Non-Linear Regression

**Graded Review Questions**

Review Questions



▶ Module 3 - Classification

▶ Module 4 - Clustering

▶ Module 5 - Recommender Systems

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## 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)

Train and Test on the Same Dataset might have a high training accuracy, but its out-of-sample accuracy can be low.

☒ True ✓

☐ False

*You have used 1 of 2 submissions*

### REVIEW QUESTION 2 (1/1 point)

Which of the following matrices can be used to show the results of model accuracy evaluation or the model's ability to correctly predict or separate the classes?

☒ Confusion matrix ✓

☐ Evaluation matrix

☐ Accuracy matrix

☐ Error matrix



*You have used 1 of 2 submissions*

## REVIEW QUESTION 3 (1/1 point)

When we should use Multiple Linear Regression?

- ☒ When we would like to identify the strength of the effect that the independent variables have on a dependent variable. ✓
- ☐ When there are multiple dependent variables.

*You have used 1 of 1 submissions*

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