1. You can use supervised machine learning for all of the following examples, EXCEPT: 1 / 1 point

- (●) Segment customers by their demographics.
- ( ) Predict the number of customers that will visit a store on a given week.
- ( ) Predict the probability of a customer returning to a store.
- ( ) Interpret the main drivers that determine if a customer will return to a store.

✓ Correct
Correct! You can find more information on the Introduction to Machine Learning lesson

2. The autocorrect on your phone is an example of: 1 / 1 point

- ( ) Unsupervised learning
- (●) Supervised learning
- ( ) Semi-supervised learning
- ( ) Reinforcement learning

✓ Correct
Correct! Find more information in the Introduction to Supervised Machine Learning (Part 2) lesson.

3. Which of the following is the type of Machine Learning that uses only data with outcomes to build a model? 1 / 1 point

- (●) Supervised Machine Learning
- ( ) Unsupervised Machine Learning
- ( ) Mixed Machine Learning
- ( ) Semi Supervised Learning

✓ Correct
Correct!. Please review the *Regression and Classification video*

4. Which among the following options does not conform to the best practice of modelling in Supervised Machine learning? 1 / 1 point

- ( ) Use the cost function to fit the model.
- (●) Use loss function to fit the model.
- ( ) Develop multiple models.
- ( ) Compare results and choose the best one.

✓ Correct
Correct! Please review the *Introduction to Linear Regression (Part 2)* video.

5. This is the syntax you need to predict new data after you have trained a linear regression model called *LR* : 1 / 1 point

- ○ LR=predict(X_test)
- ◉ LR.predict(X_test)
- ○ LR.predict(LR, X_test)
- ○ predict(LR, X_test)

✓ Correct
Correct! Please review the Linear Regression lesson for more information.

6. All of these options are useful error measures to compare regressions except: 1 / 1 point

- ○ SSE
- ○ R squared
- ○ TSS
- ◉ ROC index

✓ Correct
Correct! Find more information in the Linear Regression lesson.

7. All of the listed below are part of the Machine Learning Framework, except: 1 / 1 point

- ○ Observations
- ○ Features
- ○ Parameters
- ◉ None of the above

✓ Correct
Correct! All of the listed components are part of the Machine Learning Framework. You can find more information in the Introduction to Supervised Machine Learning (Part 2) lesson.

8. Select the option that is the most INACCURATE regarding the definition of Machine Learning: 1 / 1 point

- ○ Machine Learning allows computers to learn from data
- ○ Machine Learning allows computers to infer predictions for new data
- ○ Machine Learning is a subset of Artificial Intelligence
- ◉ Machine Learning is automated and requires no programming

✓ Correct
Correct! You can find more information in the lesson *What is Machine Learning.*

9. In Linear Regression, which statement is correct about Sum Squared Error? 1 / 1 point

- ◉ The Sum Squared Error measures the distance between the truth and predicted values.

- ○ The Sum Squared Error measures the distance between the truth and the average values of the truth.
- ○ The Sum Squared Error is a measure of the explained variation of our model.
- ○ The Sum Squared Error measures the distance between the predicted values and the average values of the truth.

✓ Correct
Correct ! You can find this information in *Introduction to Linear Regression (Part 2)* video.

10. When learning about regression we saw the outcome as a continuous number. Given the below options what is an example of regression? 1 / 1 point

- ○ A fraudulent charge
- ○ Under certain circumstances determine if a person is a Republican or Democrat
- ○ Customer churn
- ◉ Housing prices

✓ Correct
Correct! Find more information in the Linear Regression lesson.