

BDM 1034 - Application Design for Big Data Week10

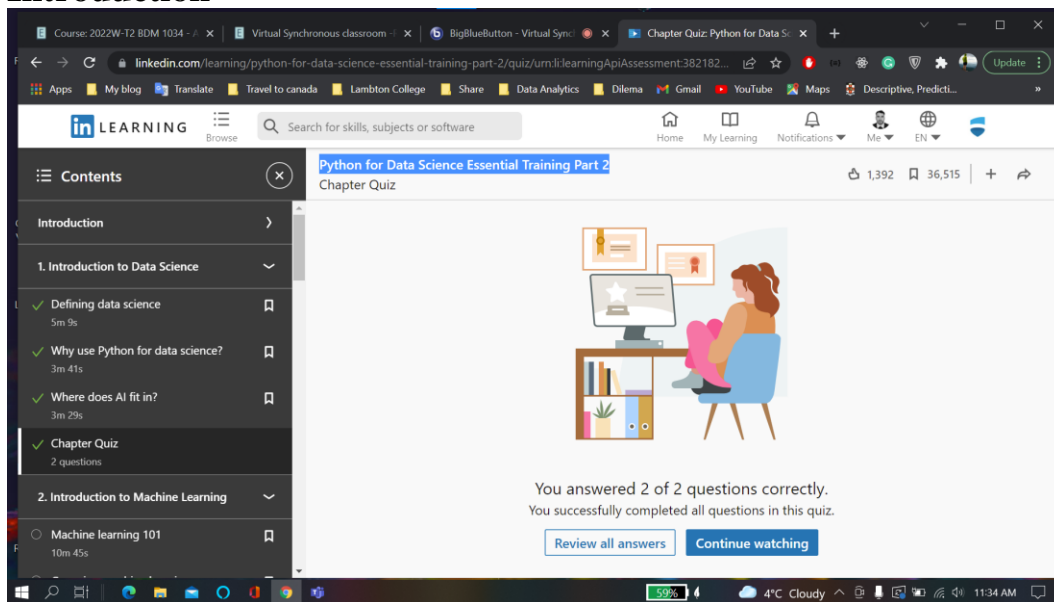
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Submitted to: Prof. Teresa Zhu

Here I have attached the chapter quiz and exercise I have done from LinkedIn learning for Course “**Python for Data Science Essential Training Part 2**” and “**Python function for Data Science**” along with the Screenshot of score I achieved.

Chapter 1: Introduction



Chapter 2

Introduction to machine learning

The screenshot shows the LinkedIn Learning interface. On the left, a 'Contents' sidebar lists the following items:

- 1. Introduction to Data Science
- 2. Introduction to Machine Learning
 - Machine learning 101 (10m 45s)
 - Grouping machine learning algorithms (6m 26s)
 - Chapter Quiz (2 questions)
- 3. Regression Models
 - Linear regression (11m 18s)
 - Multiple linear regression (8m 36s)

The main content area displays the 'Python for Data Science Essential Training Part 2 Chapter Quiz' results. It features an illustration of a person sitting at a desk with a computer. The text states: 'You answered 2 of 2 questions correctly. You successfully completed all questions in this quiz.' Below this, there are two buttons: 'Review all answers' and 'Continue watching'. The top navigation bar includes the LinkedIn Learning logo, a search bar, and navigation links for Home, My Learning, Notifications, Me, and EN. The bottom status bar shows the system clock as 9:10 AM and the weather as -5°C Cloudy.

Chapter 3:

Regression Models

The screenshot shows the LinkedIn Learning interface. On the left, a 'Contents' sidebar lists the following items:

- Logistic regression: treat missing values (9m 32s)
- Logistic regression: Re-encode variables (11m 1s)
- Logistic regression: Validating data set (3m 22s)
- Logistic regression: Model deployment (4m 18s)
- Logistic regression: Model evaluation (2m 30s)
- Logistic regression: Test prediction (3m 42s)
- Chapter Quiz (10 questions)

The main content area displays the 'Python for Data Science Essential Training Part 2 Chapter Quiz' results. It features an illustration of a person sitting at a desk with a computer. The text states: 'You answered 10 of 10 questions correctly. You successfully completed all questions in this quiz.' Below this, there are two buttons: 'Review all answers' and 'Continue watching'. The top navigation bar includes the LinkedIn Learning logo, a search bar, and navigation links for Home, My Learning, Notifications, Me, and EN. The bottom status bar shows the system clock as 10:42 AM and the weather as -5°C Mostly cl..

Chapter 4: Clustering Models

The screenshot shows the LinkedIn Learning interface. On the left, a 'Contents' sidebar lists chapters 1 through 5. Chapter 4, 'Clustering Models', is expanded, showing three items: 'K-means method' (12m 31s), 'Hierarchical methods' (13m 31s), and 'DBSCAN for outlier detection' (9m 43s). The 'Chapter Quiz' is marked with a green checkmark and '3 questions'. The main content area displays the quiz results for 'Python for Data Science Essential Training Part 2 Chapter Quiz'. It features an illustration of a person at a desk with a computer. The text states: 'You answered 3 of 3 questions correctly. You successfully completed all questions in this quiz.' Below this, there are two buttons: 'Review all answers' and 'Continue watching'. The top of the interface shows the LinkedIn Learning logo, a search bar, and navigation icons. The bottom of the browser window shows the Windows taskbar with various icons and the system clock at 1:55 PM.

Chapter 5: Dimension Reduction Method:

The screenshot shows the LinkedIn Learning interface. On the left, a 'Contents' sidebar lists chapters 3 through 6. Chapter 5, 'Dimension Reduction Methods', is expanded, showing three items: 'Explanatory factor analysis' (5m 11s), 'Principal component analysis (PCA)' (9m 55s), and 'Chapter Quiz' (2 questions). The 'Chapter Quiz' is marked with a green checkmark. The main content area displays the quiz results for 'Python for Data Science Essential Training Part 2 Chapter Quiz'. It features an illustration of a person at a desk with a computer. The text states: 'You answered 2 of 2 questions correctly. You successfully completed all questions in this quiz.' Below this, there are two buttons: 'Review all answers' and 'Continue watching'. The top of the interface shows the LinkedIn Learning logo, a search bar, and navigation icons. The bottom of the browser window shows the Windows taskbar with various icons and the system clock at 1:55 PM.

Chapter 6: Other popular machine learning methods

Contents

5. Dimension Reduction Methods

6. Other Popular Machine Learning Methods

✓ Association rules models with Apriori
19m 28s

✓ Neural networks with a perceptron
10m 27s

✓ Instance-based learning with KNN
8m 32s

✓ Decision tree models with CART
8m 9s

✓ Bayesian models with Naive Bayes
12m 9s

✓ Ensemble models with random forests
12m 39s


✓ Chapter Quiz
6 questions

Conclusion

○ Next steps
1m 22s

Python for Data Science Essential Training Part 2
Chapter Quiz


★ Leave a review 1,393 36,536 + ↗



You answered 6 of 6 questions correctly.
You successfully completed all questions in this quiz.

[Review all answers](#) [Continue watching](#)

Completion Certificate




LinkedIn LEARNING

Certificate of Completion
Congratulations, Aadarsha Chapagain

**Python for Data Science Essential
Training Part 2**

Course completed on Mar 27, 2022 at 10:03PM UTC • 3 hours 44 min

By continuing to learn, you have expanded your perspective, sharpened your skills, and made yourself even more in demand.


Head of Content Strategy, Learning

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