

BDM 1034 - Application Design for Big Data Week9

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Submitted to: Prof. Teresa Zhu

Here I have attached the certificate I achieved from LinkedIn learning for Course “*NumPy Essential Training: 2 Foundations of NumPy*” along with the Screenshot of score I achieved

Chapter 1: Plotting with Matplotlib Overview

Contents

Introduction

1. Plotting with Matplotlib

✓ Why should you use Matplotlib?
2m 28s

✓ Matplotlib basics
5m 8s

✓ Understanding figures
4m 33s

✓ Matplotlib subplots functionality
2m 53s

✓ Understanding legends
3m

✓ Challenge: Implementing a figure
1m 8s

✓ Solution: Implementing a figure
2m 12s

✓ Chapter Quiz
3 questions

2. Matplotlib Styling and Advanced Plots

3. From Beginner to Advanced NumPy

NumPy Essential Training: 2 Matplotlib and Linear Algebra Capabilities

Chapter Quiz


☆ Leave a review

👍 13

👤 157

+

🔗



You answered 3 of 3 questions correctly.
You successfully completed all questions in this quiz.

[Review all answers](#)

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Chapter 2

Matplotlib Styling and Advanced Plots

The screenshot shows a web browser window displaying a LinkedIn Learning quiz completion page. The browser's address bar shows the URL: `linkedin.com/learning/numpy-essential-training-2-matplotlib-and-linear-algebra-capabilities/quiz/um.li.learningApiAssessm...`. The LinkedIn Learning header is visible, including the logo, a search bar, and navigation links like Home, My Learning, Notifications, and Me. On the left, a 'Contents' sidebar lists the course structure: 1. Plotting with Matplotlib, 2. Matplotlib Styling and Advanced Plots (expanded), and a Chapter Quiz. Under Chapter 2, items include Colors and styles (4m 32s), Advanced Matplotlib commands (5m 25s), Adding annotations (3m 1s), Creating pie charts and bar charts (3m 23s), Advanced plots (3m 14s), and the Chapter Quiz (2 questions). The main content area shows a congratulatory message: 'You answered 2 of 2 questions correctly. You successfully completed all questions in this quiz.' Below this message are two buttons: 'Review all answers' and 'Continue watching'. An illustration of a person sitting at a desk with a computer and books is also present.

Chapter 3:

From Beginner to Advanced Numpy

The screenshot shows a web browser window displaying a LinkedIn Learning quiz completion page for Chapter 3. The browser's address bar shows the URL: `linkedin.com/learning/numpy-essential-training-2-matplotlib-and-linear-algebra-capabilities/quiz/um.li.learningApiAssessm...`. The LinkedIn Learning header is visible. On the left, a 'Contents' sidebar lists the course structure: 3. From Beginner to Advanced Numpy (expanded), and a Chapter Quiz. Under Chapter 3, items include Structured arrays (2m 14s), Dates and time in NumPy (3m 29s), and the Chapter Quiz (2 questions). The main content area shows a congratulatory message: 'You answered 2 of 2 questions correctly. You successfully completed all questions in this quiz.' Below this message are two buttons: 'Review all answers' and 'Continue watching'. An illustration of a person sitting at a desk with a computer and books is also present.

Chapter 4: Linear Algebra in Numpy

☰ Contents

✕

Introduction >

1. Plotting with Matplotlib >

2. Matplotlib Styling and Advanced Plots >

3. From Beginner to Advanced NumPy >

4. Linear Algebra in NumPy ▾

✓ Linear algebra capabilities in NumPy 5m 8s

✓ Decomposition 4m 32s

✓ Polynomial mathematics 3m 54s

✓ Application: Linear regression 3m 27s

✓ Chapter Quiz 1 question


Conclusion ▾

● Next steps 55s

NumPy Essential Training: 2 Matplotlib and Linear Algebra Capabilities

Chapter Quiz

☆ Leave a review 13 157 + ↗



You answered 1 of 1 question correctly.
You successfully completed all questions in this quiz.

Review all answers Continue watching