

DAILY ASSESSMENT FORMAT

Date:	18-07-2020	Name:	BINDUSHRI		
Course:	Mathematics for machine learning :linear algebra	USN:	4AL17EC011		
Topic:	CERTIFICATE	Semester & Section:	6th sem&Asec		
Github repository	Bindushri				

FORENOON SESSION DETAILS (9.00am to 1.00pm)

✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

GRADE
100%

Solving linear equations using the inverse matrix

TOTAL POINTS 14

1. You go to the shops on Monday and buy 1 apple, 1 banana, and 1 carrot; the whole transaction totals €15. On Tuesday you buy 3 apples, 2 bananas, 1 carrot, all for €28. Then on Wednesday 2 apples, 1 banana, 2 carrots, for €23.

1 / 1 point

Construct a matrix and vector for this linear algebra system. That is, for

$$A \begin{bmatrix} a \\ b \\ c \end{bmatrix} = \begin{bmatrix} s_{\text{Mon}} \\ s_{\text{Tue}} \\ s_{\text{Wed}} \end{bmatrix}$$

Where a , b , c , are the prices of apples, bananas, and carrots. And each s is the total for that day.

Fill in the components of A and s .

```
1 # Replace A and s with the correct values below:
2 A = [[1, 1, 1],
3       [3, 2, 1],
4       [2, 1, 2]]
5
6 s = [15, 28, 23]
7
```

Run

Reset

Characteristic polynomials, eigenvalues and eigenvectors

Practice Quiz • 30 min

✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

GRADE
90%

Characteristic polynomials, eigenvalues and eigenvectors

TOTAL POINTS 10

1. Given a matrix $\begin{bmatrix} a & b \\ c & d \end{bmatrix}$, recall that one can calculate its eigenvalues by solving the characteristic polynomial $\lambda^2 - (a + d)\lambda + (ad - bc) = 0$. In this quiz, you will practice calculating and solving the characteristic polynomial to find the eigenvalues of simple matrices.

1 / 1 point

For the matrix $A = \begin{bmatrix} 1 & 0 \\ 0 & 2 \end{bmatrix}$, what is the characteristic polynomial, and the solutions to the characteristic polynomial?

☐ $\lambda^2 - 3\lambda - 2 = 0$

$\lambda_1 = 1, \lambda_2 = -2$

☒ $\lambda^2 - 3\lambda + 2 = 0$

GRADE
100%

TOTAL POINTS 7

- 1 / 1 point

$$\odot \begin{bmatrix} 3 & 0 \\ 0 & 3 \end{bmatrix}$$

GRADE
80%

LATEST SUBMISSION GRADE

1 / 1 point

Run



Mathematics for Machine
Learning: Linear Algebra
Imperial College London

Overview

Week 1

Week 2

Week 3

Week 4

Week 5

Grades

Notes

Discussion Forums

Messages 1

Resources

Course Info

<https://www.coursera.org/learn/linear-algebra-machine-learning/home/notes>

Mathematics for Machine Learning: Linear Algebra

by Imperial College London



Congratulations!

You've successfully completed Course 1 of 3: **Mathematics for Machine Learning: Linear Algebra!**

[Read course reviews](#)

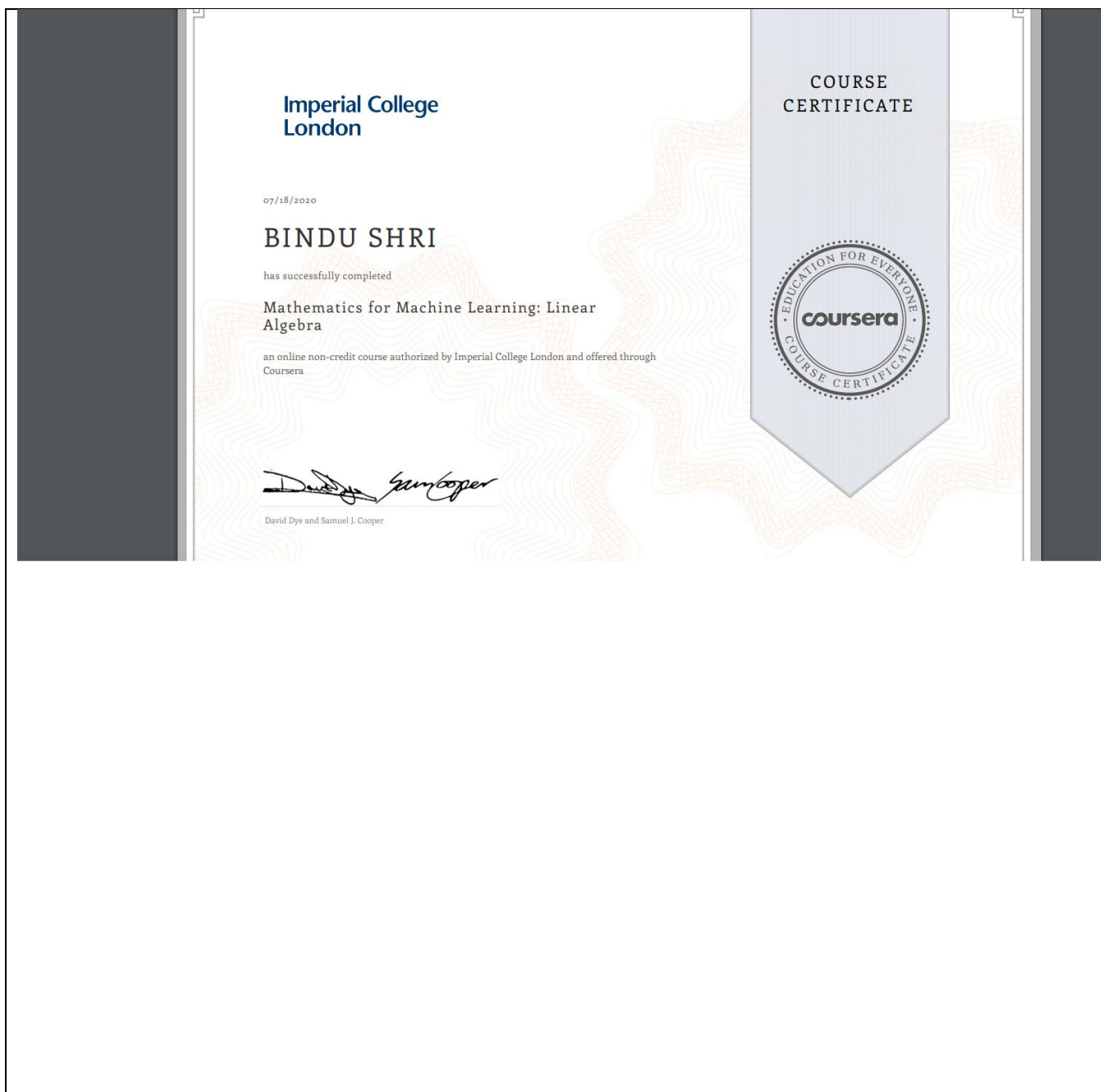
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Instructor's Note



Welcome to Mathematics for Machine Learning: Linear Algebra! We're joining thousands of learners currently enrolled in the course. We





DAILY ASSESSMENT FORMAT

Date:	18-07-2020	Name:	BINDUSHRI
Course:	Speak English professionally- coursera	USN:	4AL17EC011
Topic:	Week-4	Semester & Section:	6 th Asec

AFTERNOON SESSION DETAILS(2.00pm to 5.00pm)

Check Your Knowledge

Practice Quiz • 30 min

✓ **Congratulations! You passed!**

TO PASS 80% or higher

Keep Learning

GRADE
100%

Check Your Knowledge

TOTAL POINTS 3

1. Choose the best response for the following situation.

1 / 1 point

You are beginning a phone conversation with someone you do not know.

- ☐ Good morning, sir. I'm calling about your order.
- ☐ Good morning. This is Lillian from the doctor's office. I'm calling to confirm your appointment.
- ☒ Good morning. My name is Andrea Gomez. I'm in the accounting office at ABC Products. I have a question about your order.

✓ **Correct**

When you begin a phone conversation with someone new, it's important to state your name, who you are, and the purpose for the call.

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Explore

What do you want to learn?



Bindushri

Speak English Professionally: In Person, Online & On the Phone > Week 3 > Key Pronunciation - Can/Can't & Numbers

Prev

Telephone Language

Understand and Be Understood on the Phone

▶ **Video:** Key Pronunciation - Can/Can't & Numbers
6 min

📖 **Reading:** Practice Stress
10 min

📝 **Practice Quiz:** Check Your Knowledge
3 questions

Phone Role Play

Key Pronunciation - Can/Can't & Numbers



Can VS Can't Practice

1. My friend **can** do it.
2. He **can't** attend the meeting.
3. I **can** do this.

📝 Save Note

💬 Discuss

📄 Download



English

[Help Us Translate](#)



Notes



Click the "Save Note" button when you want to capture a screen. You can highlight and save lines from the text below. Add your own notes to anything you've captured.

✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

GRADE
100%

Check Your Knowledge

TOTAL POINTS 3

1. Select the correct statement.

1 / 1 point

- ☐ We stress the "a" sound in can and the "t" sound in can't.
- ☐ We use the same word stress when we say forty and fourteen.
- ☐ We stress the "a" sound in both can and can't.
- ☒ We pronounce the "t" sound differently when we say seventeen and seventy.

✓ **Correct**
The "t" in seventeen sounds like /t/. But the "t" in seventy sounds more like /d/.

2. How do we say the number in the following sentence?

1 / 1 point

✓ **Congratulations! You passed!**
TO PASS 80% or higher

Keep Learning

GRADE
100%

Check Your Knowledge

TOTAL POINTS 2

1. What would be the best response to the following?

1 / 1 point

Hello, this is Wendy Smith. Could you confirm my appointment tomorrow with Dr. Long?

- ☐ Hello Ms. Smith. That's right.
- ☐ Hello Ms. Smith. How can I help you?
- ☒ Of course Ms. Smith. Yes, your appointment is tomorrow morning at 8.

✓ **Correct**
The response is helpful, polite and repeats the information so the speaker understands.

2. What would be the best response to the following?

1 / 1 point

Speak English

Telephone language

Phone language : Introduction.

Phone conversation w/ new person.

- arrival
- your position etc.

ways to say too politely:

- I'm sorry, I'm unable to confirm at this time. I'll get back with you as soon as I can.

- unfortunately, I'm not able to at this time. Could I call you back?