

DAILY ASSESSMENT FORMAT

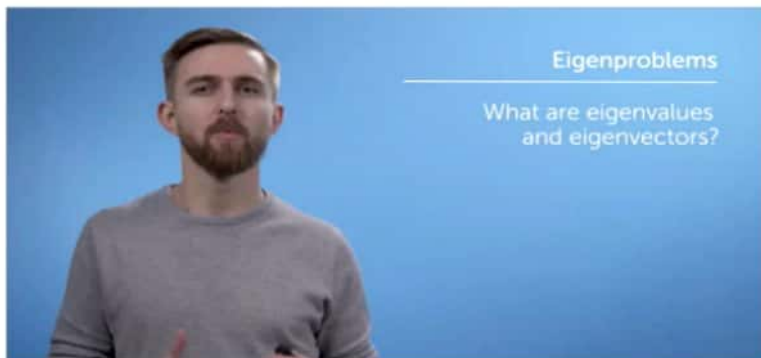
Date:	17 JULY 2020	Name:	PREETHAM S RAI
Course:	MATHEMATICS FOR MACHINE LEARNING: LINEAR ALGEBRA	USN:	4AL18EC040
Topic:	1. MODULE 5	Semester & Section:	4 SEM & A SECTION
GitHub Repository:	PSRAIPREETHAM		

FORENOON SESSION DETAILS

Image of the session

rtsw - Week 5 - What are eigenvalues and eigenvectors?

What are eigenvalues and eigenvectors?



Prev | Ne



Notes

 All notes




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



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Calculating eigenvectors


$$A = \begin{pmatrix} 1 & 0 \\ 0 & 2 \end{pmatrix} \quad \det \begin{pmatrix} 1-\lambda & 0 \\ 0 & 2-\lambda \end{pmatrix} = (1-\lambda)(2-\lambda) = 0$$
$$(A - \lambda I)x = 0$$
$$\text{@ } \lambda = 1: \begin{pmatrix} 1-1 & 0 \\ 0 & 2-1 \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \begin{pmatrix} 0 & 0 \\ 0 & 1 \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \begin{pmatrix} 0 \\ x_2 \end{pmatrix} = 0$$
$$\text{@ } \lambda = 2: \begin{pmatrix} 1-2 & 0 \\ 0 & 2-2 \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \begin{pmatrix} -1 & 0 \\ 0 & 0 \end{pmatrix} \begin{pmatrix} x_1 \\ x_2 \end{pmatrix} = \begin{pmatrix} -x_1 \\ 0 \end{pmatrix} = 0$$



Notes



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Report – Report can be typed or hand written for up to two pages.

In this module we learnt:

- What are eigenvalues and eigenvectors?
- Getting into the detail of eigenproblems
 - Special eigen-cases
 - Calculating eigenvectors
- When changing to the eigenbasis is really useful
 - Changing to the eigenbasis
 - Eigenbasis examples
- Making the PageRank algorithm



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- Summary

Date:17 July 2020	Name: PREETHAM S RAI
Course: Salesforce (developer)	USN: 4AL18EC040



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Topic: 1. Resume writing strategies	Semester & Section: IV SEM & A SECTION
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AFTERNOON SESSION DETAILS

Image of session

The screenshot shows a learning module interface. At the top, there is a blue progress bar. Below it, the module title 'Resume Writing Strategies' is displayed, along with a description: 'Craft a standout resume that helps you land your dream job.' The module is worth 400 points and is 7/16/20 completed. Below the title, there are four tasks listed, each with a green checkmark indicating completion:

- Plan Your Resume - 10 mins
- Choose the Best Resume Structure - 10 mins
- Make Your Skills Shine - 10 mins
- Put the Finishing Touches on Your Resume - 10 mins

Report – Report can be typed or hand written for up to two pages.

TOPICS LEARNT:

- Describe the challenges of crafting a resume
- Topics to include in a resume
- Explain the importance of reviewing resume samples
- Explain the importance of reviewing skills and experience in a job description
- Demonstrate different ways to include skills in a resume
- Explain the importance of positive and engaging words



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