

DAILY ASSESSMENT FORMAT

Course:	Mathematics for Machine learning	Name:	Bindu.N.R
Link :	https://www.coursera.org/learn/linear-algebra-machine-learning/home/welcome	USN:	4AL17EC101
Org By:	Coursera	Semester & Section:	6-B
Github Repository:		Date:	13/07/2020

Topic Completed Today

BINDU N R

Mathematics for Machine Learning: Linear Algebra > Week 1 > Getting a handle on vectors
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Getting a handle on vectors

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Notes

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BINDU N R

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

Resources

Course Info

The relationship between machine learning, linear algebra, and vectors and matrices

- ✓ Video: Motivations for linear algebra 3 min
- ✓ Video: Getting a handle on vectors 9 min
- ✓ Practice Quiz: Exploring parameter space 7 questions
- ✓ Practice Quiz: Solving some simultaneous equations 5 questions

Vectors

- ✓ Video: Operations with vectors 11 min
- ✓ Practice Quiz: Doing some vector operations 7 questions

Summary

- ▶ Video: Summary 1 min

Resume

coursera.org/learn/linear-algebra-machine-learning/lecture/N4W2c/motivations-for-linear-algeb...

All the quizzes for week 1 are completed.

Revision Class for today
(Module 1 and 2): -

By Asst. Prof. Tanya Mendez

Module-1

1 a. With a neat diagram, explain the architecture of ARM cortex M3 microcontroller. (10 Marks)
b. Explain the register organization of Cortex M3. (06 Marks)

OR

2 a. Explain the operation modes and privilege levels available in ARM cortex M3 with a neat transition diagram. (06 Marks)
b. Mention the instructions used for accessing the special registers. Explain the same using suitable examples. (04 Marks)
c. Explain the stack operations using Push and Pop instructions in ARM Cortex M3. (06 Marks)

July 2018

Module-1

1 a. Explain the architecture of ARM cortex - M3 processor with neat diagram. (08 Marks)
b. With neat diagram, explain operation mode and privilege levels in cortex M3. (08 Marks)

OR

2 a. What is stack? Explain push and pop operation. With the help of a neat diagram. (07 Marks)
b. Explain in detail special registers used in ARM cortex M3 processor. (09 Marks)

July 2019

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