

DAILY ASSESSMENT FORMAT

Date:	15/07/2020	Name:	Prajwal Kamagethi Chakravarti P L
Course:	Coursera	USN:	4AL17EC107
Topic:	<ul style="list-style-type: none"> Mathematics for machine learning: Linear Algebra 	Semester & Section:	6 & B
Github Repository:	https://github.com/alvas-education-foundation/Prajwal-Kamagethi.git		

SESSION DETAILS

Session images

The screenshot displays a web browser window (Safari) showing a Coursera video player. The video is titled "Introduction to module 2 - Vectors" and is from Imperial College London. The player interface includes a sidebar with a table of contents, a main video area, and a notes panel on the right. The browser's address bar shows the URL "coursera.org". The system status bar at the bottom of the screen shows various icons including a clock, calendar, and application icons.

Report:

- Matrix is an arrangement of numbers into rows and columns. Make your first introduction with matrices and learn about their dimensions and elements. A matrix is
- a rectangular arrangement of numbers into rows and columns. For example, matrix A has two rows and three columns.

- The mathematical concept of a matrix refers to a set of numbers, variables or functions ordered in rows and columns. Such a set then can be defined as a distinct entity, the matrix, and it can be manipulated as a whole according to some basic mathematical rules.
- Matrices can be used to compactly write and work with multiple linear equations, referred to as a system of linear equations, simultaneously. Matrices and matrix multiplication reveal their essential features when related to linear transformations, also known as linear maps.
- A matrix is a collection of numbers arranged into a fixed number of rows and columns. Usually the numbers are real numbers. In general, matrices can contain complex numbers but we won't see those here.
- In geology, matrices are used for making seismic surveys. They are used for plotting graphs, statistics and also to do scientific studies and research in almost different fields. Matrices are also used in representing the real world data's like the population of people, infant mortality rate, etc.

Main point of the Matrix:

The Matrix trilogy suggests that everyone has the individual responsibility to make the choice between the real world and an artificial world. Though Neo is the exemplar of free will, fate plays a large role in his adventure. Neo relies on the Oracle, and everything she says comes true in some way.

Application of Matrices:

Almost every branch of physics, including classical mechanics, optics, electromagnetism, quantum mechanics, and quantum electrodynamics, matrices are used to study physical phenomena, such as the motion of rigid bodies.

Matrices have also come to have important applications in computer graphics, where they have been used to represent rotations and other transformations of images. is a 2×3 matrix. A matrix with n rows and n columns is called a square matrix of order n

Matrices are classified according to the number of rows and columns, and the specific elements therein. (i) Row Matrix: A matrix which has exactly one row is called a row matrix. The above two matrices are row matrices because each has only one row.

Matrices are a useful way to represent, manipulate and study linear maps between finite dimensional vector spaces (if you have chosen basics).

he Matrix (1999) and continuing with two sequels, The Matrix Reloaded and The Matrix Revolutions (both in 2003), all written and directed by the Wachowskis and produced by Joel Silver.

The term matrix was introduced by the 19th-century English mathematician James Sylvester, but it was his friend the mathematician Arthur Cayley who developed the algebraic aspect of matrices in two papers in the 1850s.

In biology, matrix is the material (or tissue) in animal or plant. Structure of connective tissues is an extracellular matrix It is found in various connective tissue. It is generally used as a jelly like structure instead of cytoplasm in connective tissue.

BONE CELLS. Bone matrix is synthesized by a layer of osteoblasts on the bone surface (Figs. 1-22 and 1-23). The osteoblasts are mesenchymal in origin and characterized by their abundant endoplasmic reticulum and their production of the enzyme alkaline phosphatase.

In the mitochondrion, the matrix is the space within the inner membrane. The word "matrix" stems from the fact that this space is viscous, compared to the relatively aqueous cytoplasm.

The extracellular matrix (ECM) is the non-cellular component present within all tissues and organs, and provides not only essential physical scaffolding for the cellular constituents but also initiates crucial biochemical and biomechanical cues that are required for tissue morphogenesis, differentiation and homeostasis.

DAILY ASSESSMENT FORMAT

Date:	15/07/2020	Name:	Prajwal Kamagethi Chakravarti P L
Course:	Salesforce	USN:	4AL17EC107
Topic:	<ul style="list-style-type: none"> Build-your-career-with-salesforce-skills 	Semester & Section:	6 & B
Github Repository:	https://github.com/alvas-education-foundation/Prajwal-Kamagethi.git		

SESSION DETAILS

Session images

The screenshot shows a web browser window displaying the Trailhead Salesforce page for 'Update Your Resume'. The page is part of the 'Land Your Next Opportunity' trail. It includes a 'Time Estimate' of about 15 minutes and a list of topics: Learning Objectives, Now You are Ready! (highlighted), Update Your Resume, Create Your Elevator Pitch, Polish Your Personal Brand, Research Prospective Companies, Search for Salesforce Opportunities, Connect with a Recruiter, Apply for a Job, and Resources. A 'Challenge' button with '+100 points' is visible at the bottom right. The page content includes text about updating resumes and a table with 'DO THIS' and 'NOT THIS' examples.

	DO THIS	NOT THIS
Use action verbs	Trained 500 users on new sales processes.	Responsible for end-user training.
Highlight accomplishments	Designed an automated lead qualification process using Salesforce that resulted in XYZ.	Automated processes using Salesforce.

Report:

A Quick Introduction to Career Development

Whether you're just starting out in your career or already have a few years of experience under your belt, it can be helpful to step back and think about your career plan. Career planning is not a one-time event; it's an ongoing process to revisit throughout your career as your priorities and interests shift and change.

Get to Know Yourself

The first step in managing your career is to get a clear picture of who you are and what you want.

This includes:

- **Knowing what motivates you and what matters in your life**
- **Identifying your strengths and opportunities to improve**
- **Finding out what you're most interested in**

What we want can change over time—our priorities change, we can discover new interests or skills that we want to develop and learn. This is an opportunity to check in and see where you are today.

Land Your Next Opportunity

Learning Objectives

After completing this unit, you'll be able to:

- **Prepare for interviewing by creating your elevator pitch.**
- **Create your Salesforce resume and profile.**
- **Connect with employers.**

Now You are Ready!

Now that you know where you're headed and you've created your plan to get there, it's time to go out and land that next role. We've created a job seeker checklist, included in the Resources pack you downloaded, to help you make sure your personal presence is amazing both in person and online.