

Course 1: Linear Algebra for Machine Learning & Data Science

Overview

Trần Đức Mạnh

Ngày 31 tháng 1 năm 2023

What you will learn?

- Translate real world scenarios into practical applications using linear Algebra
- Week 1:
 - Construct systems of equations from real life examples and identify the matrix representation corresponding to these systems
 - Important concepts:
 - * Singularity
 - * Linear independence
 - Calculate the determinant
 - Row operations for simplifying matrices
- Week 2:
 - Solving 2×2 and 3×3 systems of equations
 - Important concept: Rank of a matrix
- Week 3: Simplest representation of a greater values, the vector, and how to transform one vector into another
- Week 4:
 - Eigen values
 - Eigen vectors