

Virtualbox demo

Available class material (incl. recordings) ✓

LA review, quiz (due Thu) ✓

HW: Groups? ✓

Exam format (Cheat sheets?)

Homework 0

↳ What's that "Keep Session" nonsense?

Readings

Ok to come to class without a computer?

Balance: code/math ✓

Retake quizzes ✓

Finding due dates, rules ✓

Solutions to quizzes and in-class activities ✓

Finish Python demo

Numpy demo

Numpy activity

vector: $\begin{pmatrix} 0 \\ 5 \\ 7 \\ 24 \end{pmatrix} \leftarrow \begin{matrix} x_1 \\ x_2 \end{matrix}$ 1D array

matrix: $\begin{pmatrix} 3 & 7 & 5 & 10 \\ & & & \end{pmatrix} \leftarrow \begin{matrix} A_{ij} \\ A_{24} \end{matrix}$ 2D array

① Linear Algebra and Computation

What is a vector?

$$\left. \begin{array}{l} A: \mathbb{R}^{m \times n} \\ x: \mathbb{R}^n \end{array} \right\} Ax$$

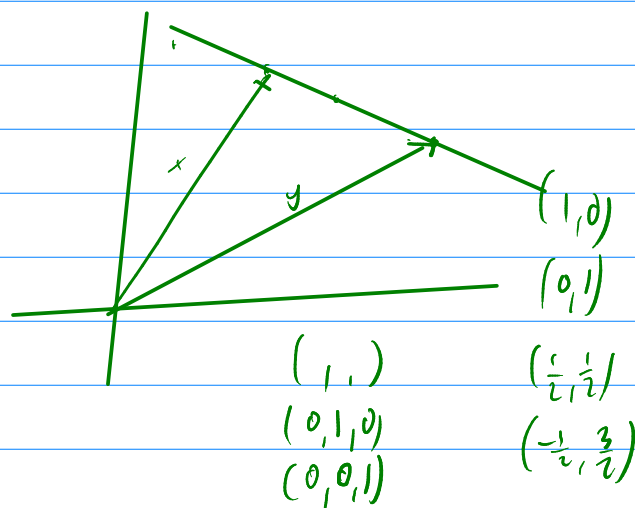
$$\left. \begin{array}{l} A: \mathbb{R}^{m \times n} \\ B: \mathbb{R}^{n \times p} \end{array} \right\} AB$$

n -long vector \mathbb{R}^n

$$A x \rightarrow m$$

The real question is what we want from a vector.

What do we want to do with it?



What on earth are you talking about?