10. Matrices and Vectors

Homework0 due Feb 8, 2023 08:59 -03 Completed

Objectives:

- Recognize the dimensions of the product of two or more matrices.
- Understand the concept of rank of a matrix, and how it relates to the invertibility of a
- (Optional) Understand the concept of **eigenvalues** and **eigenvectors** of an $n \times n$ m

Matrix Vector Product 1

1/1 point (graded)

Let $\mathbf{A} = \begin{bmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \\ 1 & 2 & 1 \end{bmatrix}$.

Let $g = \begin{bmatrix} 2 & 1 & 3 \end{bmatrix}$.

Can we compute $g\mathbf{A}$?

- (•) yes
- ( ) no

✔

Submit You have used 1 of 1 attempt

Matrix Vector Product 2

1/1 point (graded)

Let g and $\mathbf{A}$ be as above. Can we compute $\mathbf{A}g$?

- ( ) yes
- (•) no

✔

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