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10. Matrices and Vectors

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

Can we compute \mathbf{gA} ?

☒ yes

☐ no



Submit

You have used 1 of 1 attempt

Matrix Vector Product 2

1/1 point (graded)

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

☐ yes

☒ no



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