

Midterm_Exam_Questions

1. Explain the difference between `np.matmul()` and `np.multiply()`.
2. How do you find the eigenvalues and eigenvectors of a matrix using NumPy? Provide an example.
3. Write a NumPy script to generate a 4x4 matrix of random integers between 10 and 50.
4. What is a correlation plot used for?
5. What is the purpose of a box plot?
6. Write a Python function to generate a box plot for a given dataset.
7. Write a script to create a line plot using Matplotlib.

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