

AI1110: Probability and Random Variables

Assignment 8

Vishal Vijay Devadiga (CS21BTECH11061)

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Outline

1 Question

2 Solution

- Data Given from Question
- Result

Question

A fair die is rolled five times. Find the probability that one shows twice, three shows twice, and six shows once.

Data Given from Question

Theory

For a bernoulli trial, with events A_1, A_2, \dots, A_n , and $\Pr(A_i) = p_i$ where $p_1 + p_2 + \dots p_n = 1$,

Result