



Statistics 2

Assignment 1 Question

Statistics 2: Assignment 1

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1.Introduction

This assignment will help you to consolidate the concepts learnt in the session.

2.Problem Statement

Problem Statement 1:

A test is conducted which is consisting of 20 MCQs (multiple choices questions) with every MCQ having its four options out of which only one is correct. Determine the probability that a person undertaking that test has answered exactly 5 questions wrong.

Problem Statement 2:

A die marked A to E is rolled 50 times. Find the probability of getting a “D” exactly 5 times.

Problem Statement 3:

Two balls are drawn at random in succession without replacement from an urn containing 4 red balls and 6 black balls.

Find the probabilities of all the possible outcomes.

Note: Solution submitted via github must contain all the detailed steps.

3.Output

This assignment consists of 200 marks and has to be submitted in .ipynb format in the upcoming session for evaluation.