*Session 4: Assignment 4*

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1. Introduction

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

1. Problem Statement

**Problem Statement 1:**

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

times.

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

**3. Output:**

Here, n = 50, k = 5, n - k = 45.

**Hence, the** probability of success **= probability of getting a “D” = s = 1/5**

And, the probability of failure = probability of not getting a “D” = 1 - s = 4/5