

Assignment 3 (NCERT Class 9 Probability)

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Abstract—This document contains the solution to Example 1 of Chapter 14 (Probability) in the NCERT Class 9 Exemplar.

Problem 1 (Example 1). *Consider the marks obtained by 10 students in a mathematics test as given below. Find the highest and lowest marks and thus, the range of this data.*

55 36 95 73 60 42 25 78 75 62

TABLE I: Raw Data

Solution: We begin by sorting the data in Table (I). The sorted data is shown in Table (II).

25 36 42 55 60 62 73 75 78 95

TABLE II: Sorted Data

Clearly, the maximum marks is 95, the minimum marks is 25, and the range is $95 - 25 = 70$. The Python code `./codes/3_1.py` sorts the initial unsorted array and outputs the maximum, minimum and range of the data.