

Assignment 3

Harshit Pant
CS21BTECH11021

Abstract—This document contains the solution to Example 12 of Chapter 14 (Statistics) in the NCERT Class 9 Exemplar.

Example 12: The heights (in cm) of 9 students of a class are as follows:

155 160 145 149 150 147 152 144 148

TABLE I
RAW DATA

Find the median height of this data.

Solution: In order to calculate the median of this data, we need to arrange it in ascending order,

144 145 147 148 149 150 152 155 160

TABLE II
SORTED DATA

Since the number of students is an odd number, the median height is equal to the height of $\left(\frac{9+1}{2}\right)^{\text{th}}$ student in this sorted table. Hence the median height of the students is 149 cm.