

Assignment 3

CBSE Class 9 Statistics

Exercise 14.3 Q6

Kartheek Tammana

Question:

The following table gives the distribution of students of two sections according to the marks obtained by them.

From the graph, we see that on average, Section A has more higher scoring students, and Section B has more lower scoring students. So we can say that the students of Section A did better on average than the students of Section B.

Section-A		Section-B	
Marks	Frequency	Marks	Frequency
0-10	3	0-10	5
10-20	9	10-20	19
20-30	17	20-30	15
30-40	12	30-40	10
40-50	9	40-50	1

TABLE II

Represent the marks of the students of both the sections on the same graph by two frequency polygons. From the two polygons compare the performance of the two sections.

Solution:

The frequency polygon is as seen in Fig. 1. It was generated by `./codes/plot.py`.

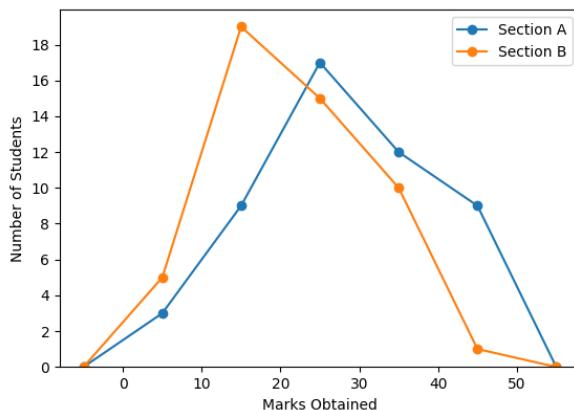


Fig. 1. Frequency polygons showing marks of students in each section