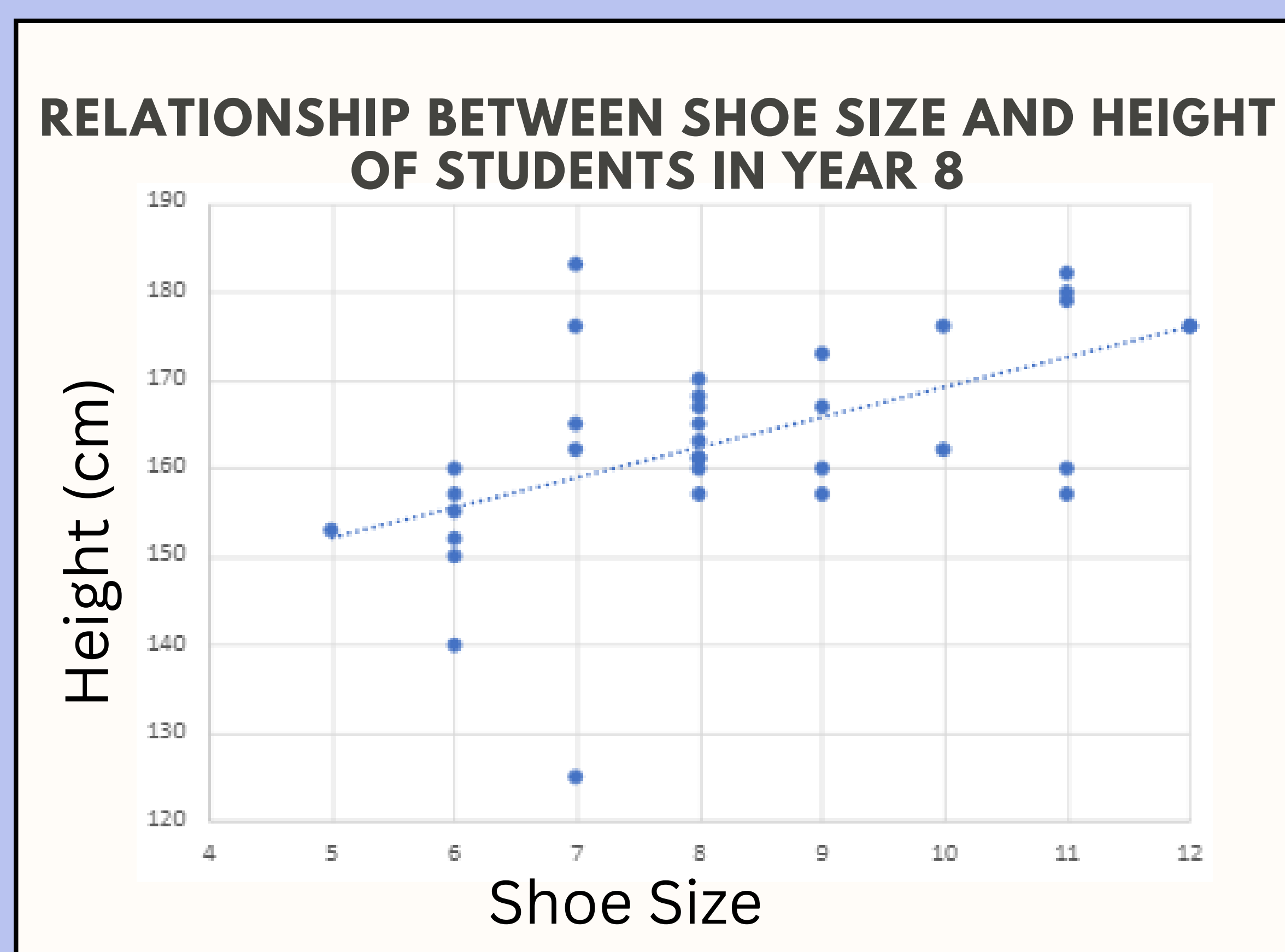


SHOE SIZE VS HEIGHT

INTRODUCTION: Have you ever wondered if the human body was proportional in size? Well we decided to figure out if there is a pattern between the height and shoe size of people in year 8 at our school (13-14 year olds)

QUESTION: IS THERE A RELATION BETWEEN HEIGHT AND SHOE SIZE OF PEOPLE IN YEAR 8?

Results:



Shoe Size	Height (cm)	Average
5	153	153
6	140, 150, 152, 155, 157, 160	152
7	125, 162, 165, 176, 183	162
8	157, 160, 161, 161, 163, 165, 167, 168, 170	163
9	157, 160, 167, 173	164
10	162, 176	169
11	157, 160, 179, 180, 182	173

HYPOTHESIS:

We hypothesise that the shoe size will increase with the person's height. So taller people would have bigger shoes.

Limitations:

Some students answered in other units of measurement instead of cm so we had to convert it to cm. Meaning there was a small fraction of inaccuracy.

METHOD:

We collected data from 36 Yr 8 students. We asked "what is your height in centimeters?" and "what is your shoe size?". We also individually asked both girls and boys, so there was no bias.

ANALYSIS AND CONCLUSION:

In our data set, we found that most of the time students who are taller generally have bigger feet. It is also the same with students who are smaller, they have smaller feet. The median height is 157cm and median shoe size is 8. The mean for the shoe size is 8, and the mean for the height was 146.5cm. In conclusion, our hypothesis was correct, and our method was successful.