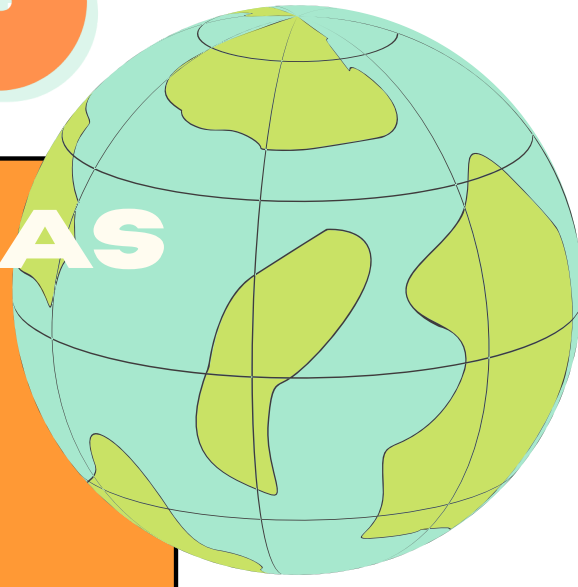


AROUND THE WORLD



HOW MANY OVERSEAS COUNTRIES HAVE HUNTER SCHOOL OF THE PERFORMING ARTS YEAR 8 STUDENTS VISITED IN THEIR LIFETIME?

Introduction:

We were curious about how many overseas countries Year 8 HSPA students had visited, so we conducted a survey to find out.

Aim:

To investigate how many countries HSPA Year 8 students have visited.

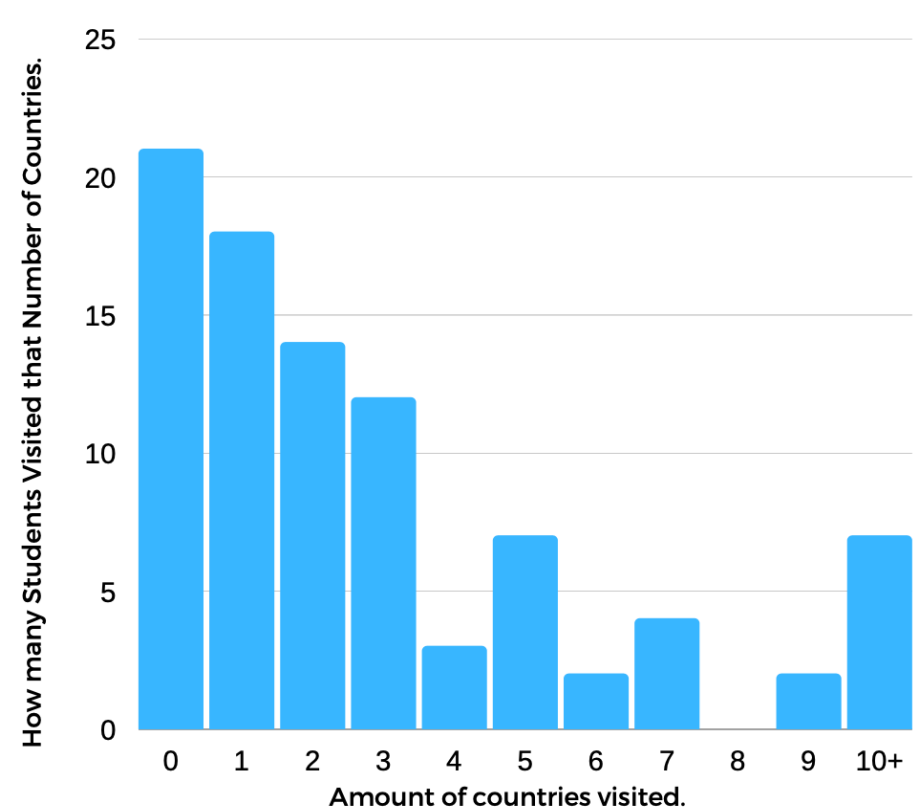
Hypothesis:

The most commonly indicated score by HSPA Year 8 students will be approximately 2 countries.



GRAPH + FREQUENCY TABLE:

How Many Overseas Countries have Year 8 HSPA Students Visited?



SCORE	FREQUENCY
0	21
1	18
2	14
3	12
4	3
5	7
6	2
7	4
8	0
9	2
10+	7

Method:

4 different math classes (8MAJO, 8MAAR, 8MAPA, and 8MAME) were involved in our surveys to collect primary data, a sample of 90 students participated. We collected our data by surveying each student individually asking the question: How many overseas countries have you visited? The sample size is adequate for this survey, it represents 50% of the entire population, on top of this we have randomly selected students out of the target population in allocated class time so there is no opportunity for bias or misleading data.

Analysis:

In our data set, we represented scores above 10 in the 10+ category, numbers of visited countries that fell into this category include 10, 11, 11, 12, 15, 15 and 31. The mean or average score, in our data set is 2.85, the median (middle score) is 2, the range is 31 countries, and finally, the mode or most common score for our data set was 0. The outlier in our data set was 31.



Conclusion:

After surveying HSPA year 8 students we conclude that 23.3% of students have never been overseas. Our hypothesis was proven wrong with the mode of the data measuring at 0 countries visited. A factor that would have impacted data is the Corona Virus, as overseas travel was prohibited, therefore if this survey was conducted pre-COVID results may have differed.

