

Statistics Practice Assessment Juniors

Summary Investigation

Name: _____

Problem

I wonder much time junior students tend to spend traveling to school each day?

Plan

I will ask 30 junior students at Aorere College:

“How many minutes did it take you to get to school today?”

Data – Below is a data table with one group of friends (only a partial set of the whole data).

Samples	Number of minutes traveling to school
1	15
2	25
3	15
4	8
5	50
6	3
7	4
8	5
9	15
10	10

Analysis

For the group of friends, calculate the measures of center: mean, median and mode.

Mean	
Median	
Mode	

Analysis

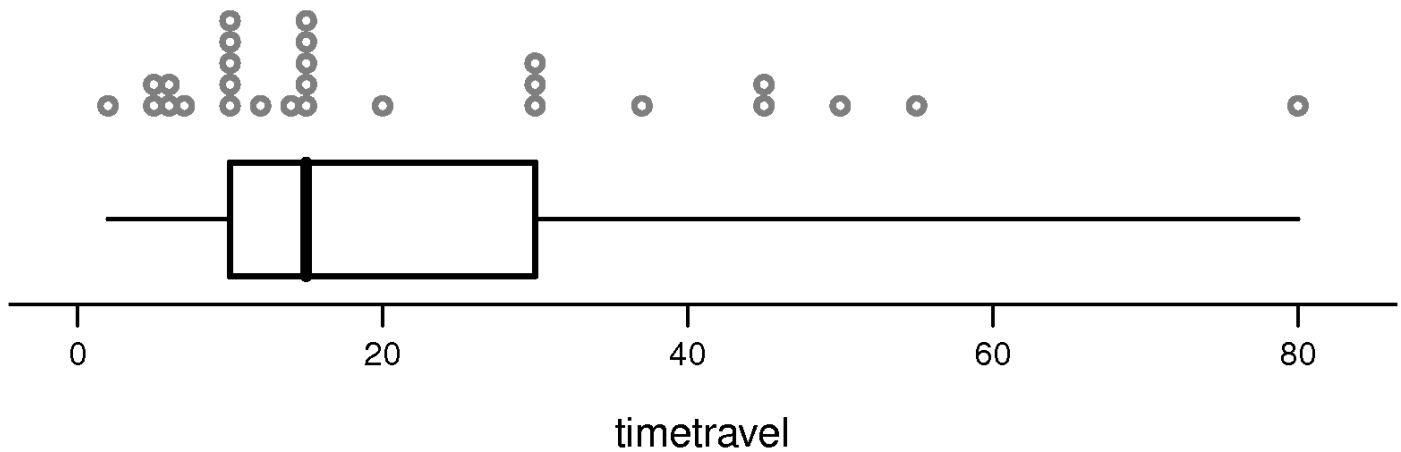
For the group of friends, calculate the measures of spread: range and inter-quartile range.

Range	
Lower Quartile	
Upper Quartile	
IQR	

Analysis

The dot plot for all 30 students is shown below.

The box and whisker plot is also shown.



Statistics for all 30 students:

Minimum	3
LQ	9.5
Median	15
Mean	19.04
UQ	26.25
Maximum	50

Analysis

Describe and justify the features of the data. Features may include the center, spread, shape and middle 50%.

[illegible]

Conclusion

Answer the investigation question.

Make an inference.

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