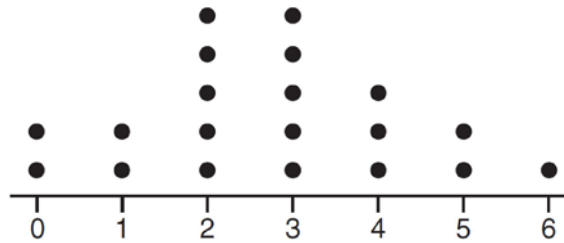


S.ID.A.1: Dot Plots

1 The dot plot shown below represents the number of pets owned by students in a class.



Which statement about the data is *not* true?

- 1) The median is 3.
- 2) The interquartile range is 2.
- 3) The mean is 3.
- 4) The data contain no outliers.

S.ID.A.1: Dot Plots**Answer Section**

1 ANS: 3

median = 3, IQR = $4 - 2 = 2$, $\bar{x} = 2.75$. An outlier is outside the interval $[Q_1 - 1.5(\text{IQR}), Q_3 + 1.5(\text{IQR})]$.

$[2 - 1.5(2), 4 + 1.5(2)]$

$[-1, 7]$

REF: 061620ai