Bookmark

Reflect on the Question | Analyze the Data | Draw Conclusions

Primary Research Question

How long do animals stay in the shelter before they are adopted?

Conduct the Analysis in R

1. Type or copy the script from the the Prepare for the Analysis section into the Script window of R.
2. Select the portion of the code you wish to run, then press "ctrl+ enter."
3. Output can be found in the Console window.

(1/1 point)

1. How would you describe the shape of the distribution of *daystoadopt*?

- symmetrical
- bimodal
- positively skewed ✔
- negatively skewed

Click here for a video explanation of how to answer this question.

You have used 1 of 1 submissions

(1/1 point)

- Week 3: Bivariate Distributions
- Week 4: Bivariate Distributions (Categorical Data)

2. Which measures of center and spread should you report for this data?

- (●) median and IQR ✔
- ( ) mean and standard deviation

Click here for a video explanation of how to answer this question.

You have used 1 of 1 submissions

(1/2 points)

Enter numerical values for the following:

3a. Center=

13 ✔ **Answer:** 13

13

3b. Spread=

29 ✖ **Answer:** 30

29

Click here for a video explanation of how to answer this question.

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(2/2 points)

It looks like one adopted animal spent much more time in the shelter than the others.

4a. How many days was this animal in the shelter?

211 ✔ **Answer:** 211

211

4b. What was the z-score for this particular animal? Round to the nearest TWO decimal places.

5.09 ✔ **Answer:** 5.09

5.09

Click here for a video explanation of how to answer this question.

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(1 point possible)

5. Why should we **NOT** report a z-score for this animal, even though we can calculate one?

- A z-score should only be used for distributions of height and weight.
- This animal is an outlier. ✖
- The distribution is skewed. ✔
- The variable is categorical, not quantitative.

Click here for a video explanation of how to answer this question.

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