



Bookmarks

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- ▼ **Week 2: Univariate Descriptive Statistics**

Readings

Reading Check due
Mar 15, 2016 at 18:00
UTC

Lecture Videos

Comprehension Check
due Mar 15, 2016 at
18:00 UTC

R Tutorial Videos**Pre-Lab**

Pre-Lab due Mar 15,
2016 at 18:00 UTC

Lab

Lab due Mar 15, 2016
at 18:00 UTC

Problem Set

Problem Set due Mar
15, 2016 at 18:00 UTC

Week 2: Univariate Descriptive Statistics > Pre-Lab > Conduct the Analysis



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.](#)

You have used 1 of 1 submissions

(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.

✓ Answer: 5.09

5.09

[Click here for a video explanation of how to answer this question.](#)

You have used 1 of 1 submissions

(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.](#)

You have used 1 of 1 submissions

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