

## Brief Article

The Author

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# Chapter 1

## Workshops

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**Solution 1.1-1**

all adults with normal vision.

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**Solution 1.1-2**

the 1,347 teachers who mail back the questionnaire.

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**Solution 1.1-3**

three

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**Solution 1.1-4**

Rate of California is [1] 8.768816

Rate of Florida is [1] 23.75374

Rate of Illinois is [1] 10.39501

Rate of Nevada is [1] 42.45283

Therefore, Nevada has the highest number of death row prisoners.

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**Solution 1.1-5**

Rate of Michelle's income is [1] -76.19048

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**Solution 1.1-6**

[1] 78

is not equal to 100%.

**Solution 1.1-7**

A good choice of a graph would be a bar chart.

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**Solution 1.1-8**

right skewed, mean, median.

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**Solution 1.1-9**

counts or percents, mean, median.

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**Solution 1.1-10**

Min. 1st Qu. Median Mean 3rd Qu. Max.  
-2.0000 0.0000 1.0000 0.8182 2.0000 3.0000

$$Q_1 = 0$$


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**Solution 1.2-1**

Min. 1st Qu. Median Mean 3rd Qu. Max.  
1.00 2.00 4.00 5.00 4.75 22.00

Therefore,  $Q_3 = 5$

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**Solution 1.2-2**

Therefore,  $s = [1] 6.164414$

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**Solution 1.2-3**

Therefore,  $IQR = [1] 2.75$

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**Solution 1.2-4**

Proportion is  $[1] 0.4199605$

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**Solution 1.2-5**

95% CI is  $[1] 0.3895517 [1] 0.4503692$

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**Solution 1.2-6**

The point estimate is [1] 114.9

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**Solution 1.2-7**

The standard error is [1] 1.789786

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**Solution 1.2-8**

The critical value is [1] -2.055529

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**Solution 1.2-9**

The critical value is [1] -3.678957

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**Solution 1.2-10**

The 95% CI is [1] 118.579 [1] 111.221