⚠ Lagunita is retiring and will shut down at 12 noon Pacific Time on March 31, 2020. A few courses may be open for self-enrollment for a limited time. We will continue to offer courses on other online learning platforms; visit http://online.stanford.edu.

Course › EDA: Examining Relationships › Case Q→Q: Linear Relationships › Extra Problems
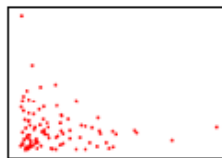
🔖 **Bookmark this page**

Extra Problems

These extra questions are here to give you more practice if you feel you need it. No new concepts are introduced on this page. If you've "got it", go ahead and move on to the next page. If you'd like a little more practice, work through the questions below.

Question

1/1 point (graded)
Choose the most likely correlation value for this scatterplot:

- ◉ r = −0.127 ✔
- ◯ r = −0.383
- ◯ r = −0.828
- ◯ r = 0.678
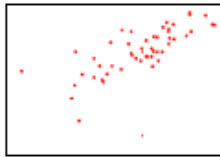- ◯ r = 0.845
- ◯ r = 0.941

Answer

Correct: The direction of the relationship is negative and it has a weak linear relationship.

Submit

Question

1/1 point (graded)

Choose the most likely correlation value for this scatterplot:

○ r = −0.127

○ r = −0.383

○ r = −0.828

◉ r = 0.678 ✔

○ r = 0.845
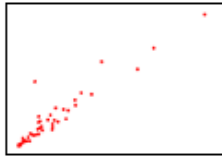
○ r = 0.941

Answer
Correct:
The direction of the relationship is positive and it has only a moderately strong linear relationship.

Submit

Question

1/1 point (graded)

Choose the most likely correlation value for this scatterplot:

○ r = −0.127

○ r = −0.383

○ r = −0.828

○ r = 0.678

○ r = 0.845

● r = 0.941 ✔
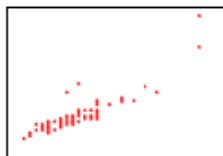
Answer
Correct:
The direction of the relationship is positive and the linear relationship is quite strong with few outliers.

Submit

Question

1/1 point (graded)
Choose the most likely correlation value for this scatterplot:

○ r = −0.127

○ r = −0.383

○ r = −0.828

○ r = 0.678
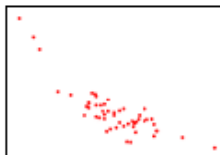
⦿ r = 0.845 ✔

○ r = 0.941

Answer
Correct:
The direction of the relationship is positive and it has a pretty strong linear relationship, but not quite as strong as the third scatterplot, due to more outliers.

Submit

Question

1/1 point (graded)
Choose the most likely correlation value for this scatterplot:

○ r = −0.127

○ r = −0.383

⦿ r = −0.828 ✔

○ r = 0.678
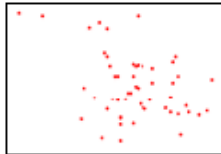
○ r = 0.845

○ r = 0.941

Answer

Correct: The direction of the relationship is negative and the linear relationship is pretty strong.

Submit

Question

1/1 point (graded)

Choose the most likely correlation value for this scatterplot:

○ r = −0.127

◉ r = −0.383 ✔

○ r = −0.828

○ r = 0.678

○ r = 0.845

○ r = 0.941

Answer

Correct: The direction of the relationship is negative and the linear relationship is fairly weak.

Submit

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