

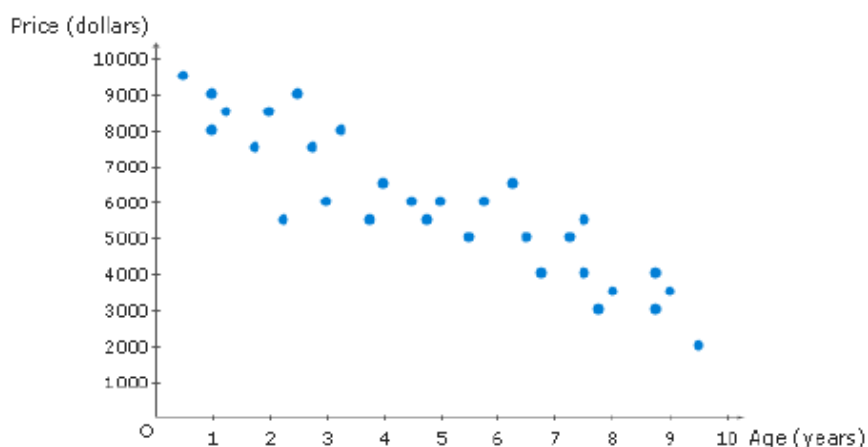
Topic No. 01



#1

Use the scatter plot below for Questions 1 – 2

CAR PRICE DEPENDING ON AGE



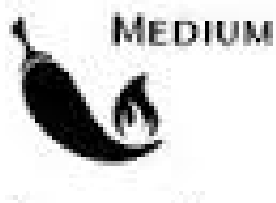
1. Which of the following is a data point on the scatter plot?

- (a) 3 years old, and \$3,200
- (b) 1 year old, and \$1,400
- (c) 5 years old, and \$6,100
- (d) 4 years old, and \$2,500

2. What can you conclude from the scatter plot?

- (a) Generally, the older the car, the higher the value.
- (b) A car's value is perfectly correlated to its age.
- (c) A car's value is totally independent of its age.
- (d) Generally, the older the car, the lower the value.

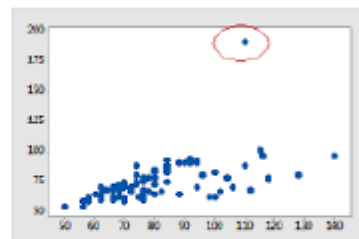
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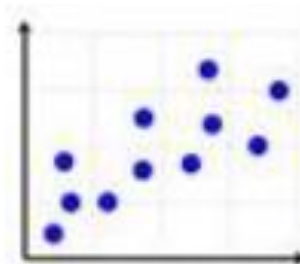
3. What is circled in this scatter plot?

- (a) a cluster
- (b) an inlier
- (c) the mean
- (d) an outlier



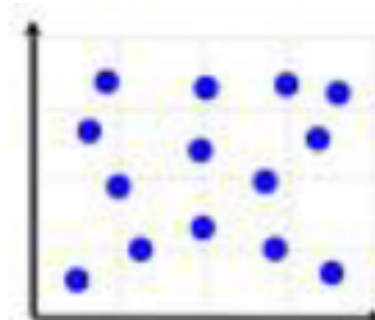
4. Which best describes this scatter plot?

- (a) positive association
- (b) negative association
- (c) no association
- (d) a cluster



5. Which best describes this scatter plot?

- (a) positive association
- (b) negative association
- (c) no association
- (d) a cluster



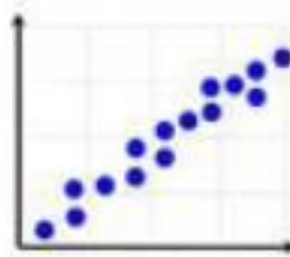
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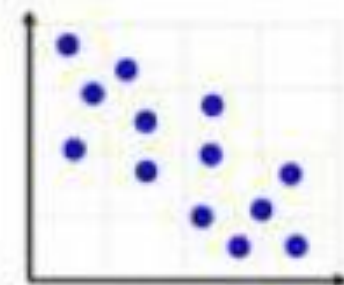
6. Which best describes this scatter plot?

- (a) positive association
- (b) negative association
- (c) no association
- (d) a cluster



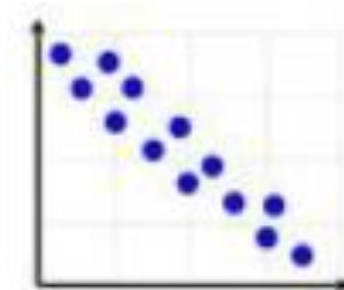
7. Which best describes this scatter plot?

- (a) positive association
- (b) negative association
- (c) no association
- (d) a cluster



8. Which best describes this scatter plot?

- (a) positive association
- (b) negative association
- (c) no association
- (d) a cluster



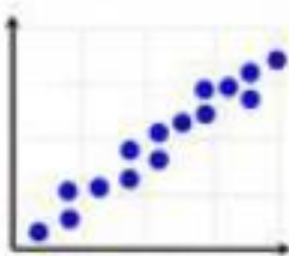
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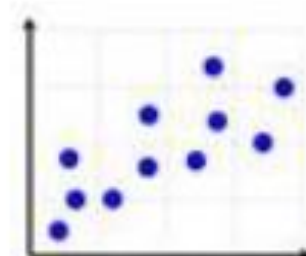
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9. Consider Graph R and Graph S below.

Graph R



Graph S



Which of the following correctly describes Graph R and Graph S?

- (I) Both Graph R and Graph S show a positive association.
 - (II) Only Graph R shows a positive association.
 - (III) Graph R shows a stronger correlation as compared to Graph S.
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- (a) I only
 - (b) II only
 - (c) I and III
 - (d) II and III