

IFAS CSIR NET

DATA INTERPRETATION II



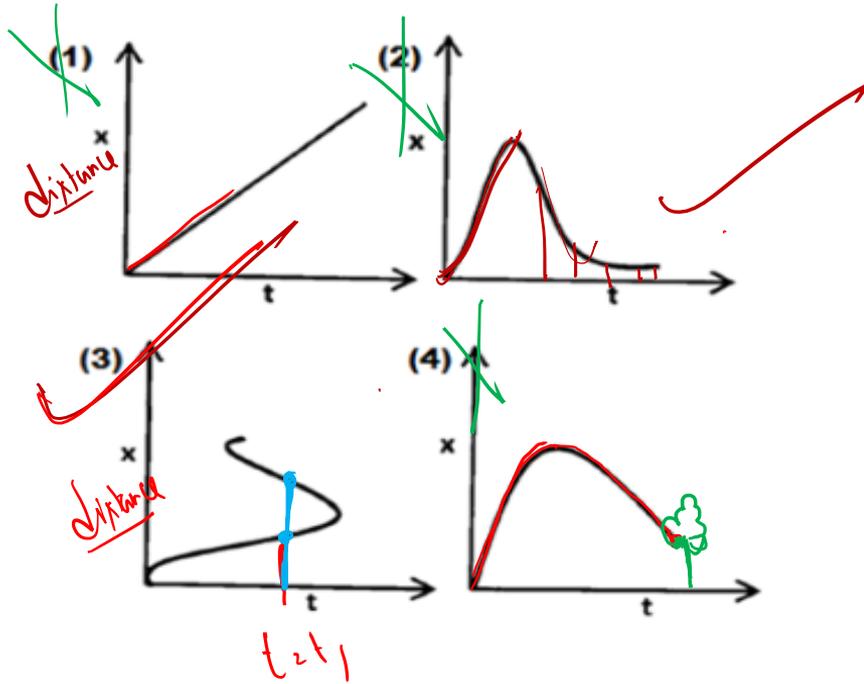
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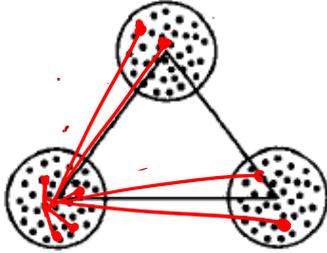
A bird leaves its nest and flies away. Its distance x from the nest is plotted as a function of time t . Which of the following plots cannot be right?



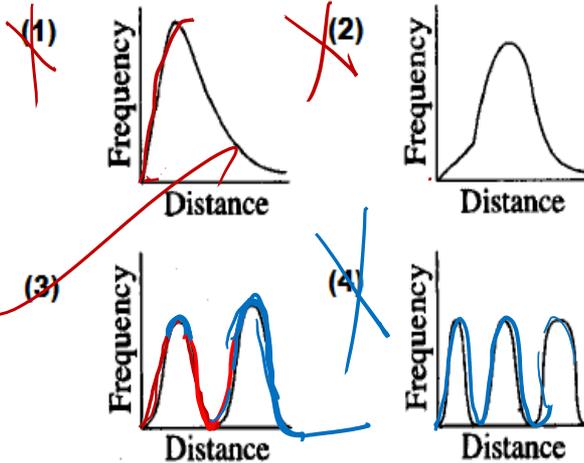
Practicing
PYQ



Three circles of equal diameters are placed such that their centers make an equilateral triangle as in the figure:

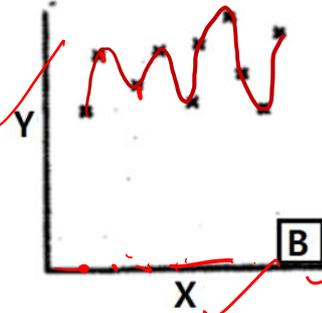
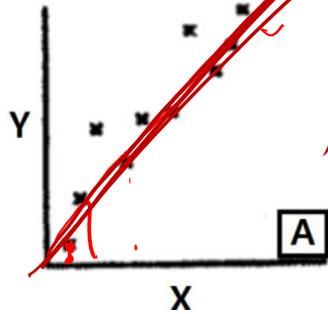


Within each circle, 50 points are randomly scattered. The frequency distribution of distances between all possible pairs of points will look as-





Scatter plots for pairs of observations on the variables x and y in samples A and B are shown in the figure



$$y = f(x)$$

$$y = f(x)$$

Which of the following is suggested by the plots?

- (1) Correlation between x and y is stronger in A than in B.
- (2) Correlation between x and y is absent in B.
- (3) Correlation between x and y is weaker in A than in B
- (4) y and x have a cause - effect relationship in A, but not in B



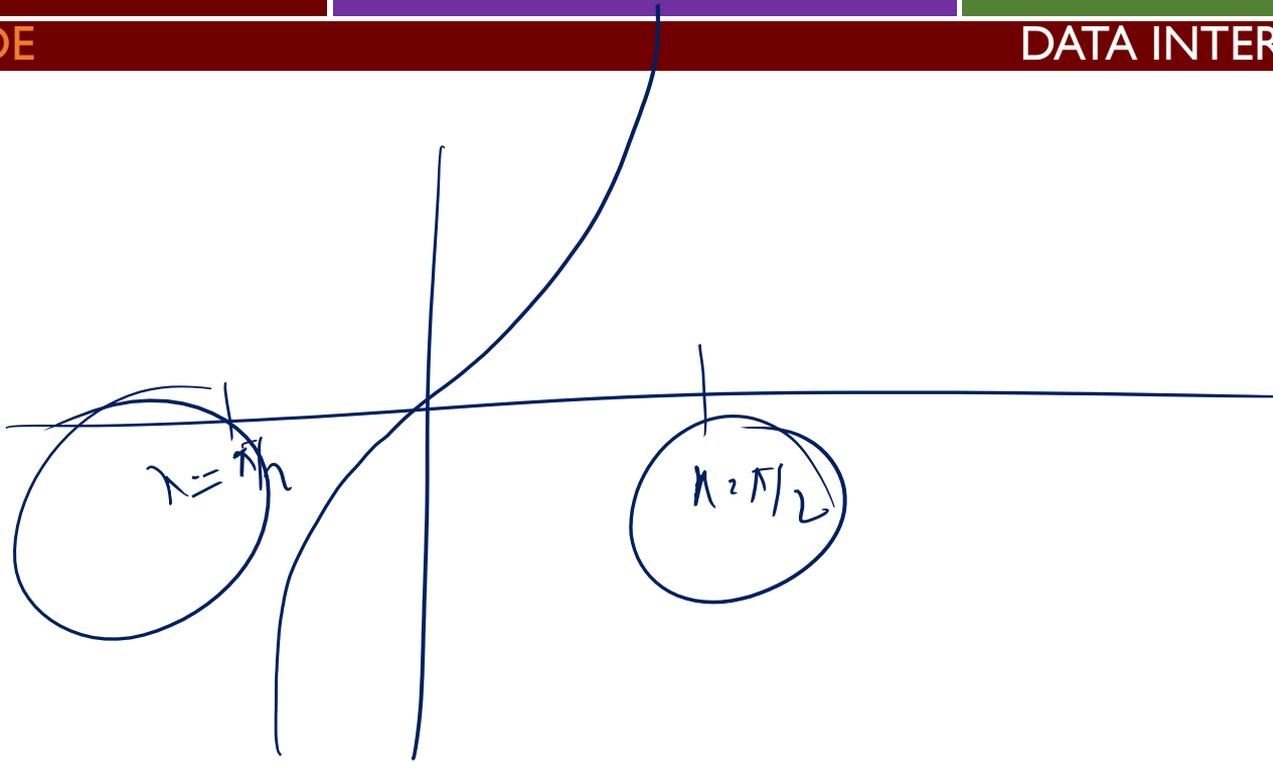
A monkey climbs a tree to eat fruits. The amount of energy gained after eating fruits and the energy spent in climbing on the different branches have a relationship shown in the figure:



Energy gained ✓
 Energy spent ✓
 =
 max
 min

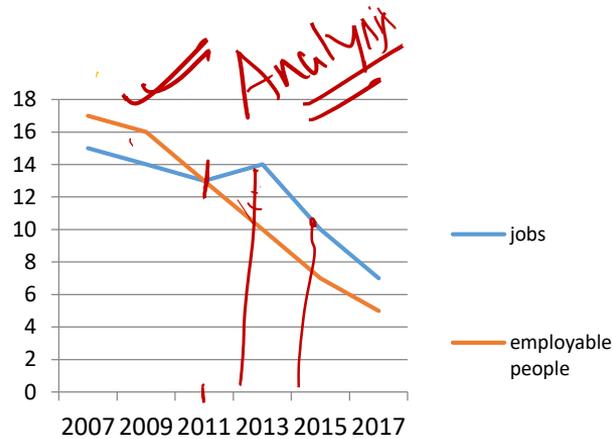
The ratio of energy gained to energy spent will be maximum

- (1) ~~at a point where the slope of the curve is at the maximum~~
- (2) ~~at a point where the slope of the curve is unity~~
- (3) ~~at a point on the curve where the tangent passes through the origin~~
- (4) ~~at the highest point on the curve~~





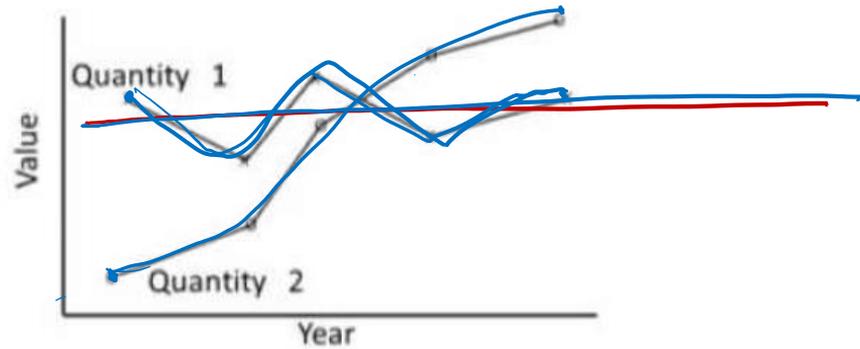
Which one of the following inferences can definitely be drawn based on the plot shown?



- ~~(1)~~ Number of jobs and number of employable people decreased at the same rate from 2007 to 2017.
- ~~(2)~~ There were surplus jobs from 2012 onwards.
- ~~(3)~~ Unemployment increased from 2012 onwards.
- ~~(4)~~ Minimum Unemployment was during 2007 and 2011.



The trends of two quantities over five years are shown in the graph:



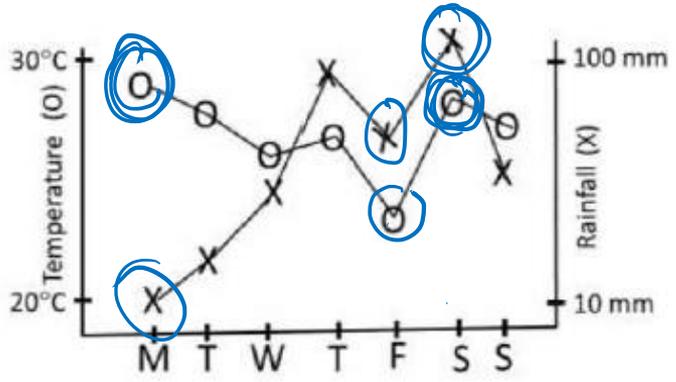
Which of the following are valid inferences?

- A. The mean values of the quantities are nearly equal
- B. The variations in the two quantities are nearly equal
- C. Quantity 1 varies less over the given period as compared to Quantity 2

- (1) Only A is true
- (2) Only B is true
- (3) A and C are true
- (4) A and B are true



The graph below shows the rainfall and temperature at a place over one week.
Which day of the week would feel the most humid?



- (1) Monday
- (2) Wednesday
- (3) Thursday
- (4) Saturday

HAPPY LEARNING

THANKS



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