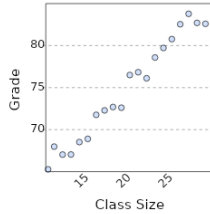




Describe correlation and association

1

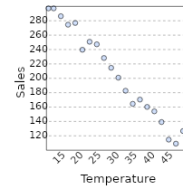
What trend does this scatter plot show?



- A As class size increases, grade increase B As class size increases, grade decrease C No association between class size and grade

2

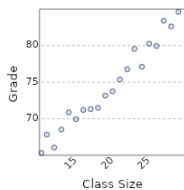
As temperature increases, sales tends to decrease



- A no association B positive association C negative association

3

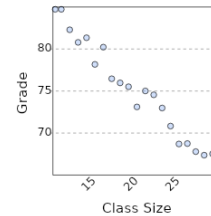
As class size increases, grade tends to increase



- A positive correlation B negative correlation C no correlation

4

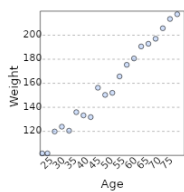
What is the association on this scatter plot?



- A negative association B positive association

5

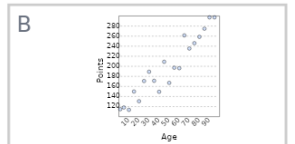
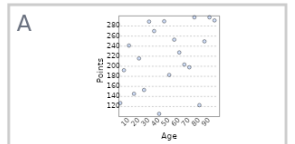
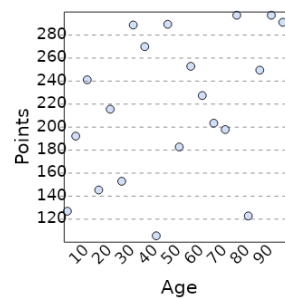
What is the correlation direction on this scatter plot?



- A positive correlation B negative correlation C no correlation

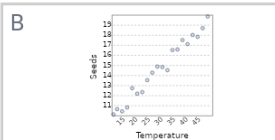
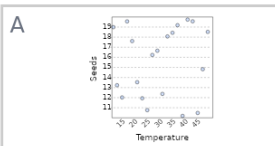
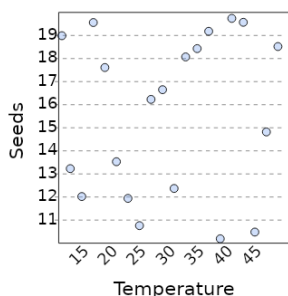
6

no correlation



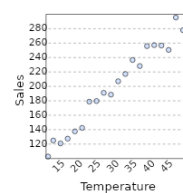
7

no correlation



8

What is the correlation strength on this scatter plot?



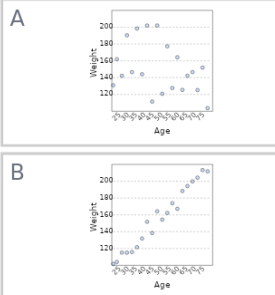
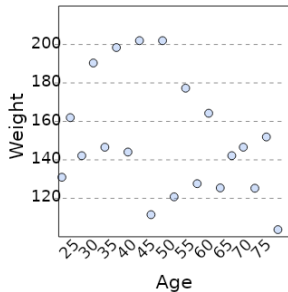
- A no correlation B strong correlation C weak correlation



Describe correlation and association

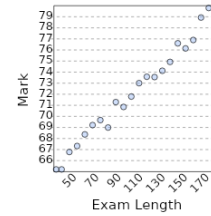
9

no correlation



10

strong positive correlation



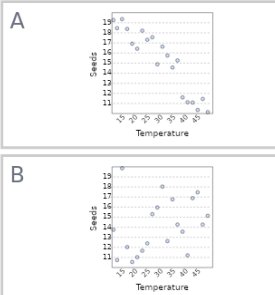
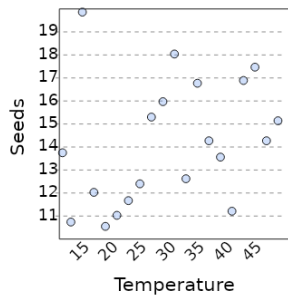
A $r = 0.1$

B $r = 0.8$

C $r = 0.2$

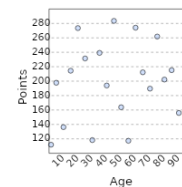
11

0



12

What is the correlation direction and strength on this scatter plot?



A strong negative correlation

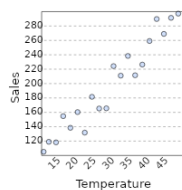
B weak positive correlation

C no correlation

D weak negative correlation

13

What would be a reasonable R value for this scatter plot?



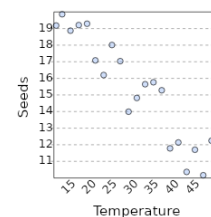
A $r = -0.8$

B $r = -0.2$

C $r = 0.5$

14

-0.5



A strong negative correlation

B no correlation

C weak positive correlation

D weak negative correlation