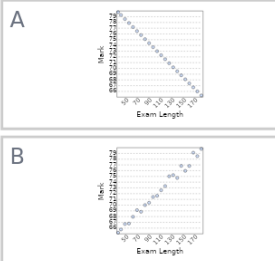
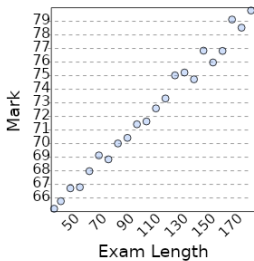


Use a line of best fit to make predictions

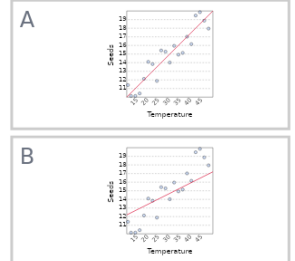
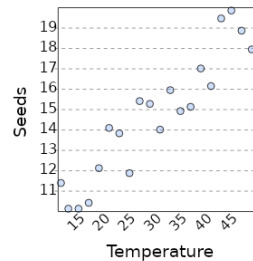
1

As exam length increases, mark tends to increase



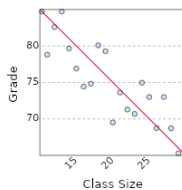
2

Which graph shows the line of best fit for this data?



3

Is the red line a good line of best fit for this data?

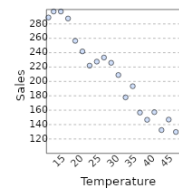


A No

B Yes

4

What is the equation of the trend line on this scatter plot?



A Sales = $-5 \times \text{Temperature} + 350$

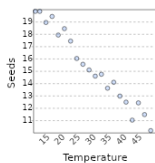
B Sales = $-5 \times \text{Temperature} + 430$

C Sales = $5 \times \text{Temperature} + 350$

D Sales = $-10 \times \text{Temperature} + 350$

5

Using this data, would predicting seeds when temperature is 0 be interpolation or extrapolation?

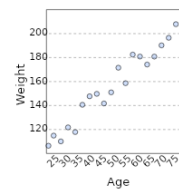


A Interpolation

B Extrapolation

6

Using this data, would predicting weight when age is 46 be extrapolation?

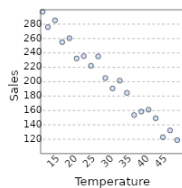


A No

B Yes

7

If sales is 200, would 30 be a reasonable value of temperature?

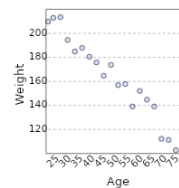


A No

B Yes

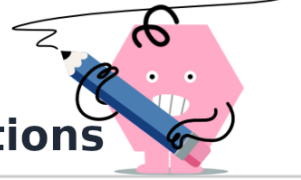
8

If age is 50, would 112 be a reasonable value of weight?



A No

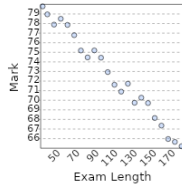
B Yes



Use a line of best fit to make predictions

9

If exam length is 82.5, what would a reasonable value of mark be?

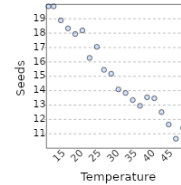


A 66

B 75

10

If seeds is 15, what would a reasonable value of temperature be?

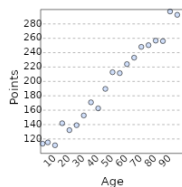


A 30

B 14

11

If age is 20, what would a reasonable value of points be?

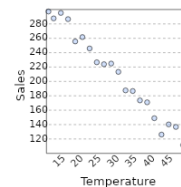


A 220

B 140

12

If sales is 260, what would a reasonable value of temperature be?



A 18

B 42