

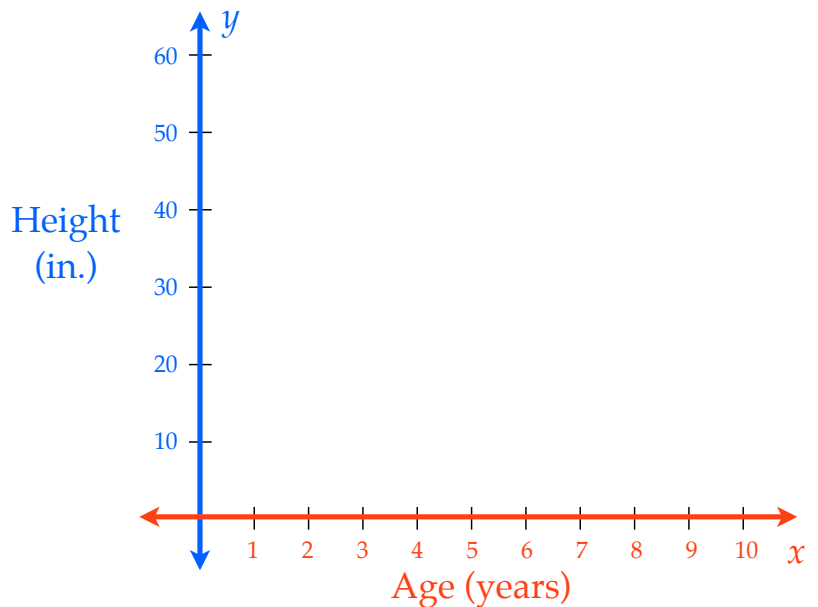
## Scatter Plot

A scatter plot is a graph that relates two different sets of data.

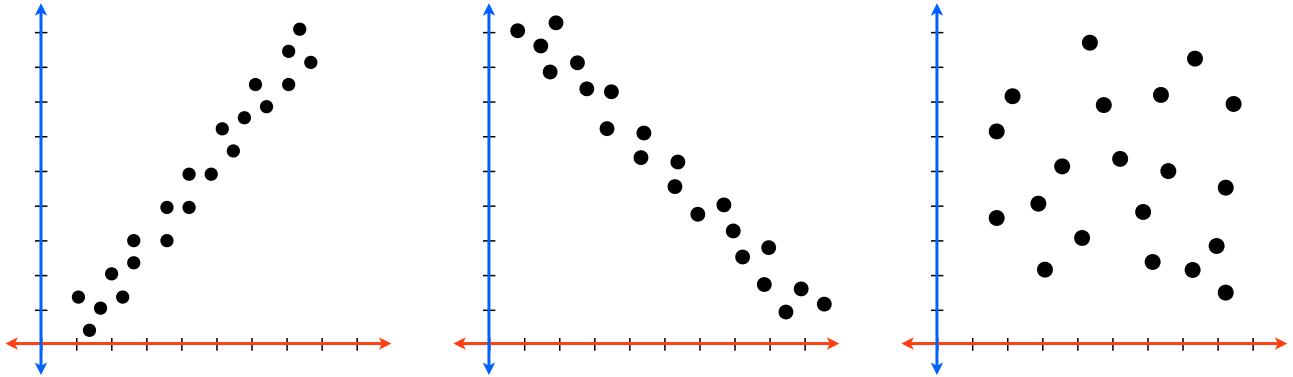
| Age (years)  | 1  | 2  | 3  | 4  | 5  | 6  | 7  | 8  | 9  | 10 |
|--------------|----|----|----|----|----|----|----|----|----|----|
| Height (in.) | 24 | 30 | 36 | 41 | 44 | 47 | 50 | 52 | 54 | 56 |

(1,24) (2,30) (3,36) (4,41) (5,44) (6,47) (7,50) (8,52) (9,54) (10,56)

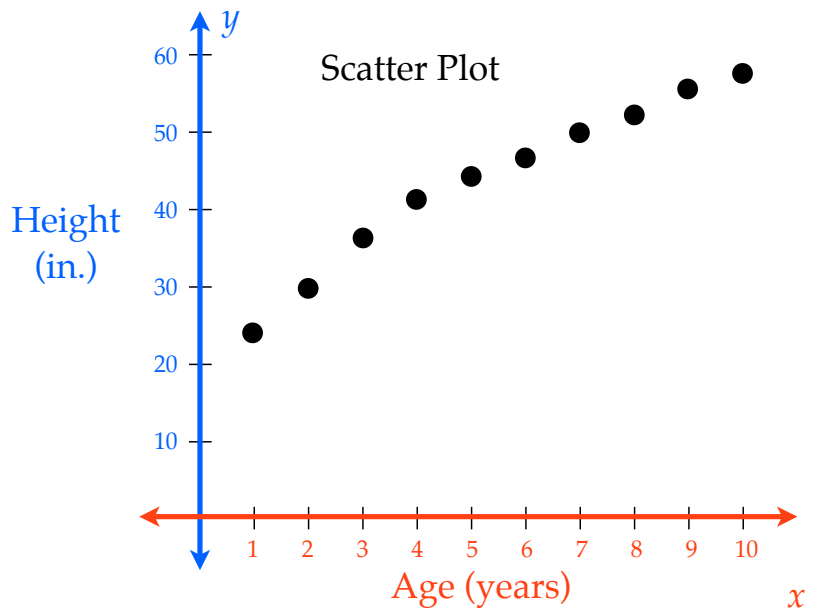
(1,24) (2,30) (3,36) (4,41)  
 (5,44) (6,47) (7,50) (8,52)  
 (9,54) (10,56)



## Correlations of Scatter Plots

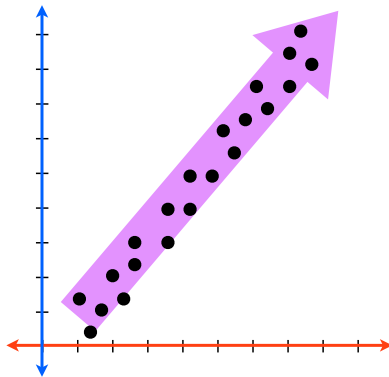


(1,24) (2,30) (3,36) (4,41)  
 (5,44) (6,47) (7,50) (8,52)  
 (9,54) (10,56)



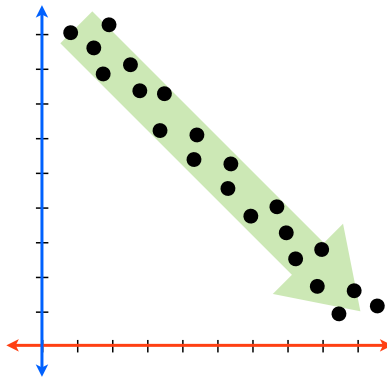
What would be the correlation between the two sets of data?

Exercise Time and  
Calories Burned



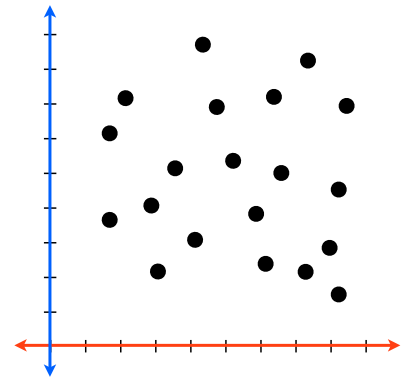
Positive Correlation

Travel Speed and  
Travel Time



Negative Correlation

Yearly Salary and  
Birth Month

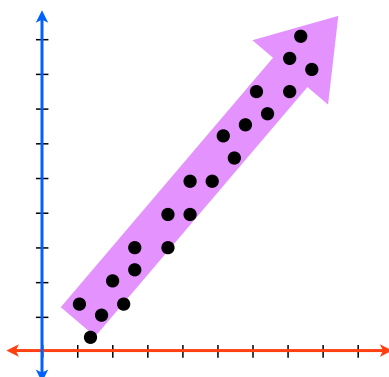


No Correlation

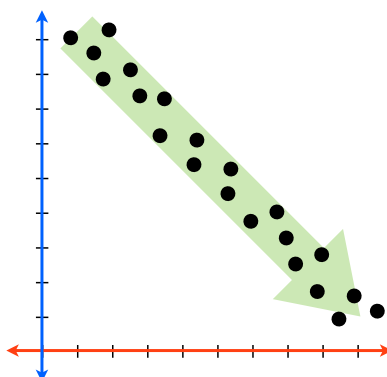
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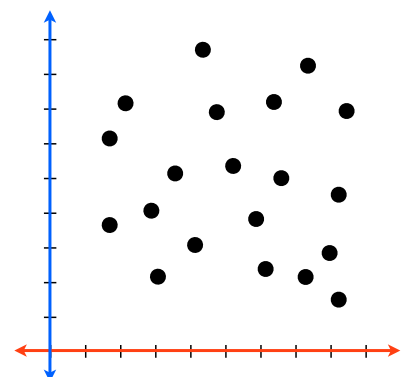
(1,24) (2,30) (3,36) (4,41) (5,44) (6,47) (7,50) (8,52) (9,54) (10,56)



Positive Correlation



Negative Correlation



No Correlation