

Correlation: Relationship between two sets of data

Types of Correlation

Positive Correlation

As one quantity
inc so does the other.
(Pos Slope)

Negative Correlation

As one quantity
inc the other dec.
(Neg Slope)

No Correlation

No obvious
relationship
between the data

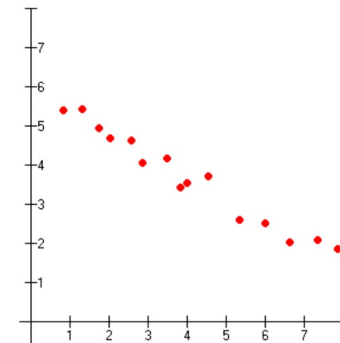
Strong Correlation

Most points are close
to the trend line.

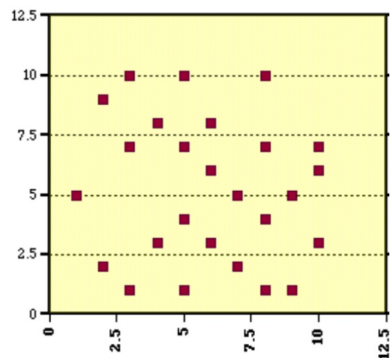
Weak Correlation

General trend but
points are not all
close to a trend line.

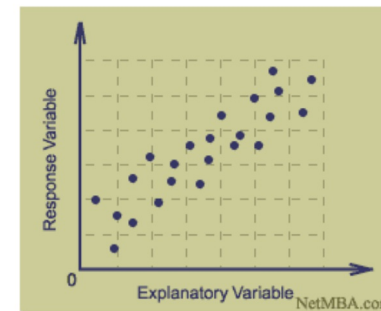
What type of correlation does each graph show?



Strong neg

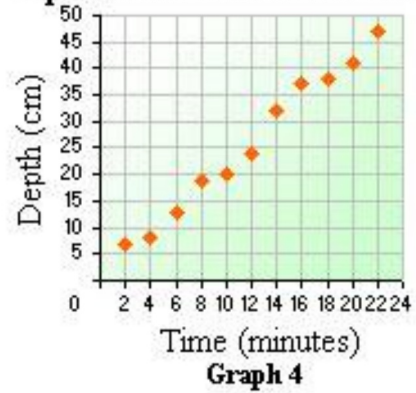


no correl.

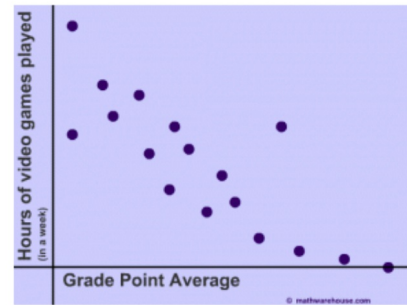


weak pos

Depth of water at two-minute intervals

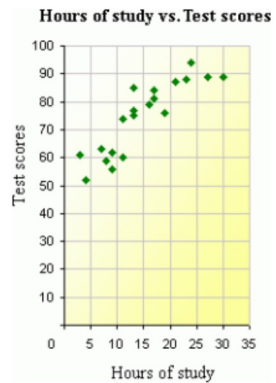


strong pos



weak NEG

Is this a Strong or Weak Positive Correlation?



"Strong" and "Weak" are sometimes hard to define.

Sometimes you only use these terms when comparing two scatter plots

Which correlation is stronger?

