

Correlation: Relationship between two sets of data

#### 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

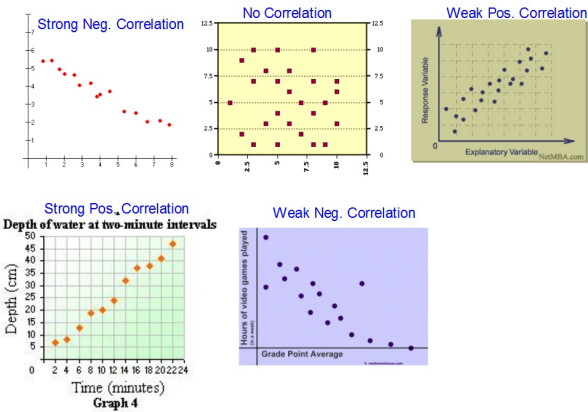
#### Strong Correlation

Most points are close  
to the trend line.

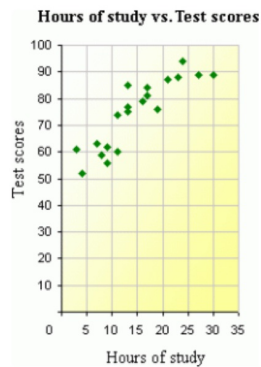
#### Weak Correlation

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

What type of correlation does each graph show?



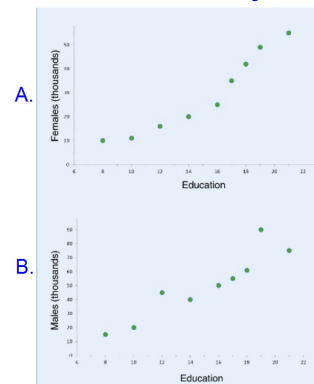
Is this a Strong or Weak Positive Correlation?



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

Sometimes you only use these terms  
when comparing two scatter plots

Which correlation is stronger?



Graph A has a stronger correlation than Graph B because  
the points in Graph A are closer to being on a single line  
than the points in Graph B.