

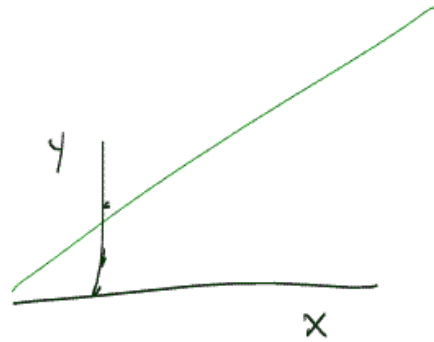
Interested in relationship between $x + y$

Note Title

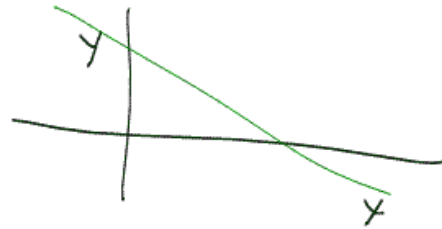
1/25/2006

$$y = mx + b$$

$$m > 0$$

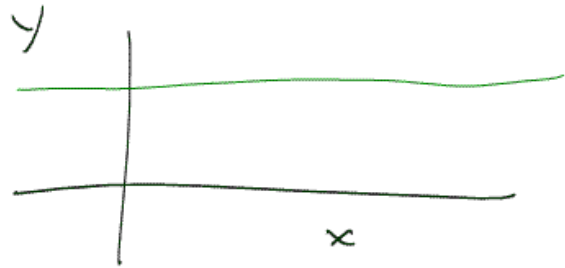


$$m < 0$$



no relationship
between $x + y$

$$m = 0$$



Regression test: is $m = 0$?

$$H_0: m = 0$$

Results from regression: calculation
of m
(and b)

Is m significantly different from zero?

If $\text{sig} < .05$, we're going to say

YES! + reject the null hypothesis
that $m=0$