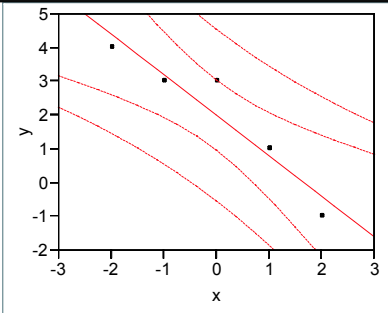


# Stat 328 SLR "Hand Calculation" Workshop Problem

$x$	$y$	$(x - \bar{x})$	$(y - \bar{y})$	$(x - \bar{x})^2$	$(y - \bar{y})^2$	$(x - \bar{x})(y - \bar{y})$	$\hat{y}$	$e = y - \hat{y}$	$(y - \hat{y})^2$
-2	4								
-1	3								
0	3								
1	1								
2	-1								

Untitled 1: Bivariate

## Bivariate Fit of y By x



Linear Fit

## Linear Fit

$$y = 2 - 1.2x$$

## Summary of Fit

RSquare	0.9
RSquare Adj	0.866667
Root Mean Square Error	0.730297
Mean of Response	2
Observations (or Sum Wgts)	5

## Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	1	14.400000	14.4000	27.0000
Error	3	1.600000	0.5333	Prob > F
C. Total	4	16.000000		0.0138

## Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	2	0.326599	6.12	0.0088
x	-1.2	0.23094	-5.20	0.0138