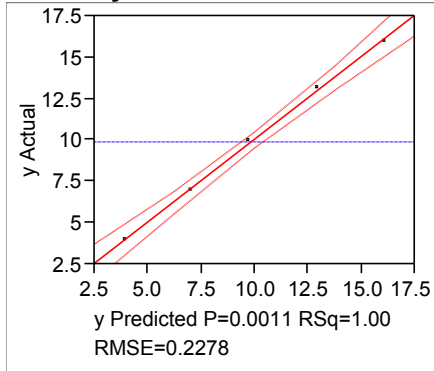


# MLR Example of Multicollinearity

y	x1	x2
3.9	0.9	2.1
6.9	2.1	3.9
9.9	2.9	5.9
13.1	4.1	7.9
15.9	5.1	10.1

## Response y Whole Model

### Actual by Predicted Plot



### Summary of Fit

RSquare	0.998863
RSquare Adj	0.997725
Root Mean Square Error	0.227771
Mean of Response	9.94
Observations (or Sum Wgts)	5

### Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	2	91.128241	45.5641	878.2699
Error	2	0.103759	0.0519	Prob > F
C. Total	4	91.232000		0.0011

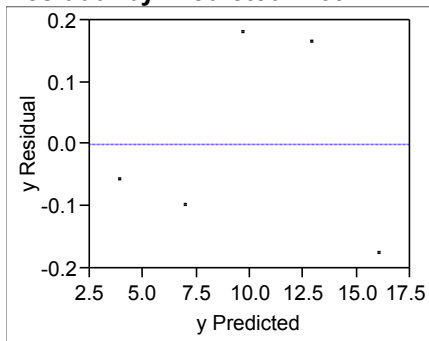
### Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	1.0283486	0.252357	4.07	0.0553
x1	1.239238	0.986842	1.26	0.3360
x2	0.8644068	0.513608	1.68	0.2344

### Effect Tests

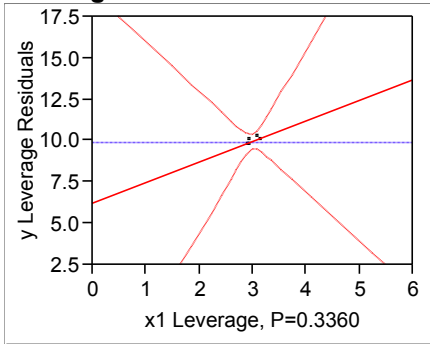
Source	Nparm	DF	Sum of Squares	F Ratio	Prob > F
x1	1	1	0.08181050	1.5769	0.3360
x2	1	1	0.14694915	2.8325	0.2344

### Residual by Predicted Plot



**x1**

**Leverage Plot**



**x2**

**Leverage Plot**

