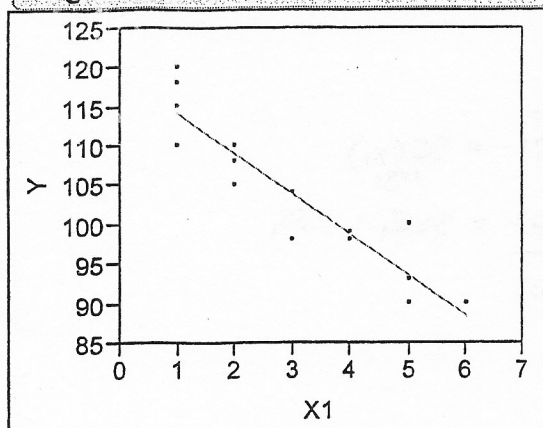


## Response Y

## Regression Plot



## Summary of Fit

RSquare	0.862645
RSquare Adj	0.85208
Root Mean Square Error	3.688612
Mean of Response	103.8667
Observations (or Sum Wgts)	15

## Analysis of Variance

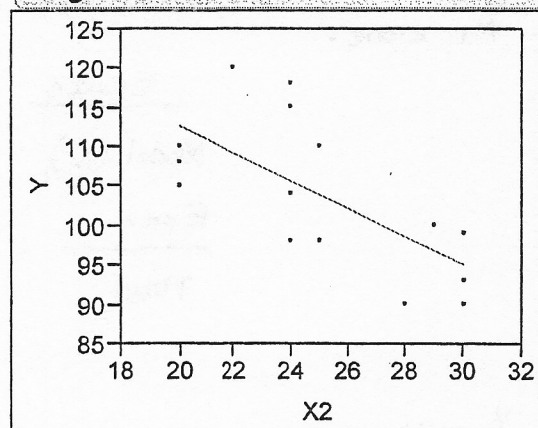
Source	DF	Sum of Squares	Mean Square	F Ratio
Model	1	1110.8571	1110.86	81.6455
Error	13	176.8762	13.61	Prob > F
C. Total	14	1287.7333		<.0001*

## Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	119.29524	1.955147	61.02	<.0001*
X1	-5.142857	0.569165	-9.04	<.0001*

## Response Y

## Regression Plot



## Summary of Fit

RSquare	0.449826
RSquare Adj	0.407504
Root Mean Square Error	7.382297
Mean of Response	103.8667
Observations (or Sum Wgts)	15

## Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	1	579.2553	579.255	10.6289
Error	13	708.4780	54.498	Prob > F
C. Total	14	1287.7333		0.0062*

## Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	147.74965	13.59452	10.87	<.0001*
X2	-1.755319	0.538409	-3.26	0.0062*

## 471OrdAgelQ- Fit Least Squares

## Response Y

## Summary of Fit

RSquare	0.863464
RSquare Adj	0.840708
Root Mean Square Error	3.827766
Mean of Response	103.8667
Observations (or Sum Wgts)	15

## Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	2	1111.9119	555.956	37.9446
Error	12	175.8215	14.652	Prob > F
C. Total	14	1287.7333		<.0001*

## Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	117.02599	8.697772	13.45	<.0001*
X1	-5.318644	0.88211	-6.03	<.0001*
X2	0.1118644	0.416935	0.27	0.7930

## Summary

$X_1$  alone:

<u>Source</u>	<u>df</u>	<u>SS</u>
Model ( $X_1$ )	1	1110.8571 = $SS(X_1)_{reg_1}$
Error	13	176.8762 = $SSE_1 = RSS_1$
Total	14	1287.7333

$X_2$  alone:

<u>Source</u>	<u>df</u>	<u>SS</u>
Model ( $X_2$ )	1	579.2553 = $SS(X_2)_{reg_2}$
Error	13	708.4780 = $SSE_2 = RSS_2$
Total	14	1287.7333

$X_1$  and  $X_2$ :

<u>Source</u>	<u>df</u>	<u>SS</u>
Model ( $X_1, X_2$ )	2	1111.9119 = $SS(X_1, X_2)_{reg_{1,2}}$
Error	12	175.8215 = $SSE_{1,2} = RSS_{1,2}$
Total	14	1287.7333