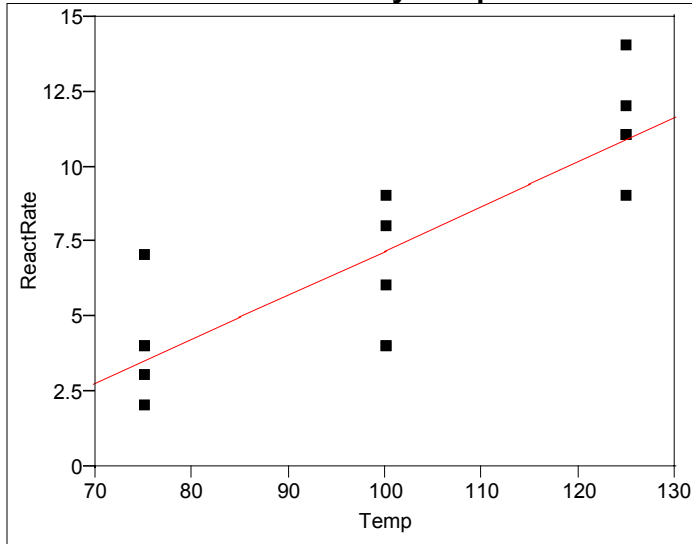


JMP Analysis of Reaction Rate (Fit Y by X)

Bivariate Fit of ReactRate By Temp



— Linear Fit

Linear Fit

$$\text{ReactRate} = -7.6 + 0.148 \text{ Temp}$$

Summary of Fit

RSquare	0.711538
RSquare Adj	0.689349
Root Mean Square Error	2.066212
Mean of Response	7.2
Observations (or Sum Wgts)	15

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	1	7.500000	7.50000	1.8750
Pure Error	12	48.000000	4.00000	Prob > F
Total Error	13	55.500000		0.1960
				Max RSq
				0.7505

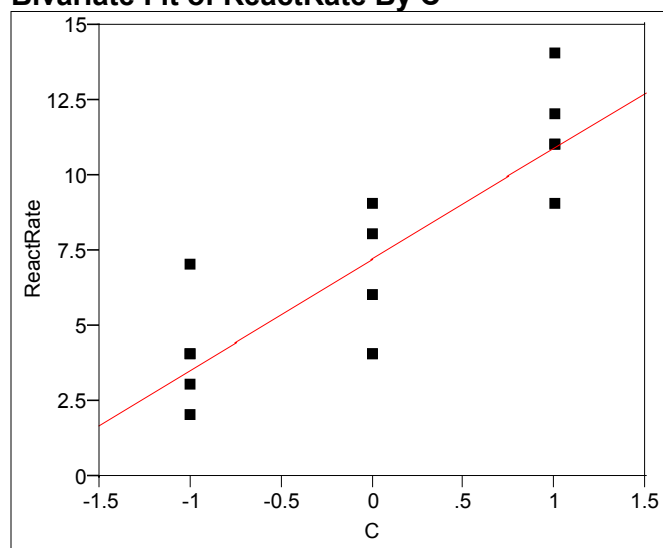
Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	1	136.90000	136.900	32.0667
Error	13	55.50000	4.269	Prob > F
C. Total	14	192.40000		<.0001

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	-7.6	2.667468	-2.85	0.0137
Temp	0.148	0.026136	5.66	<.0001

Bivariate Fit of ReactRate By C



— Linear Fit

Linear Fit

$$\text{ReactRate} = 7.2 + 3.7 C$$

Summary of Fit

RSquare	0.711538
RSquare Adj	0.689349
Root Mean Square Error	2.066212
Mean of Response	7.2
Observations (or Sum Wgts)	15

Lack Of Fit

Source	DF	Sum of Squares	Mean Square	F Ratio
Lack Of Fit	1	7.500000	7.50000	1.8750
Pure Error	12	48.000000	4.00000	Prob > F
Total Error	13	55.500000		0.1960
				Max RSq
				0.7505

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Ratio
Model	1	136.90000	136.900	32.0667
Error	13	55.50000	4.269	Prob > F
C. Total	14	192.40000		<.0001

Parameter Estimates

Term	Estimate	Std Error	t Ratio	Prob> t
Intercept	7.2	0.533494	13.50	<.0001
C	3.7	0.653394	5.66	<.0001