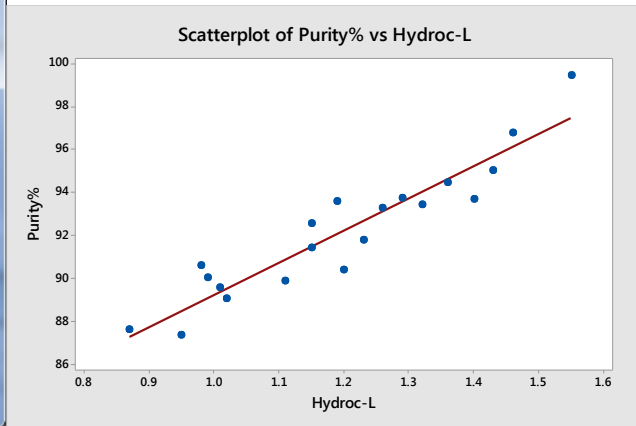
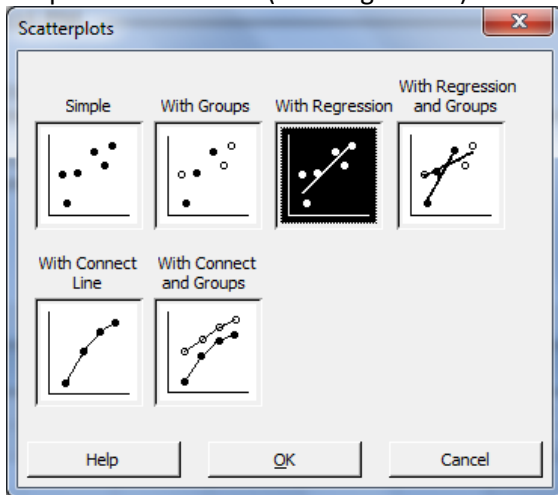


Example 11-1 Oxygen Purity, page 433

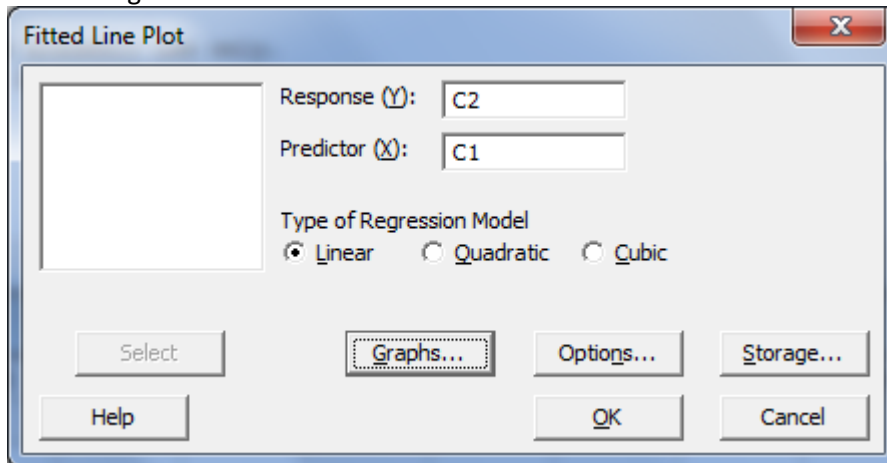
Table 11-1 Oxygen and Hydrocarbon Levels

Hydroc-L	Purity%
0.99	90.01
1.02	89.05
1.15	91.43
1.29	93.74
1.46	96.73
1.36	94.45
0.87	87.59
1.23	91.77
1.55	99.42
1.40	93.65
1.19	93.54
1.15	92.52
0.98	90.56
1.01	89.54
1.11	89.85
1.20	90.39
1.26	93.25
1.32	93.41
1.43	94.98
0.95	87.33

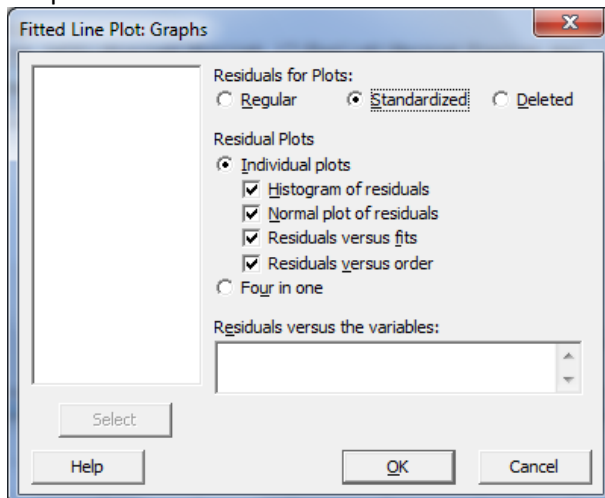
Graph => Scatter Plot (with regression)



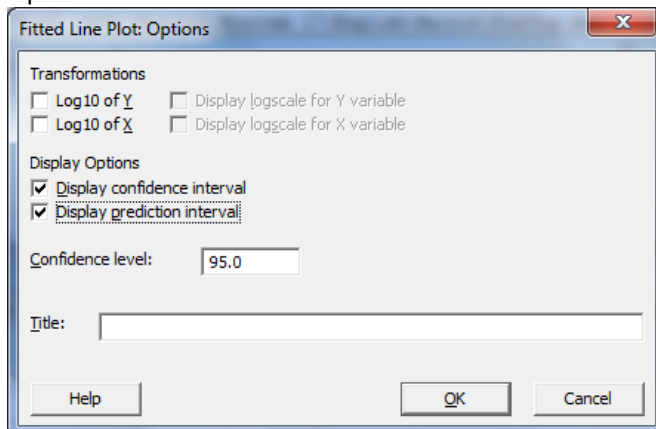
Stat => Regression => Fitted Line Plot



Graphs =>



Options



Regression Analysis: Purity-% versus Hydroca-Level

The regression equation is
 $\text{Purity-\%} = 74.28 + 14.95 \text{ Hydroca-Level}$

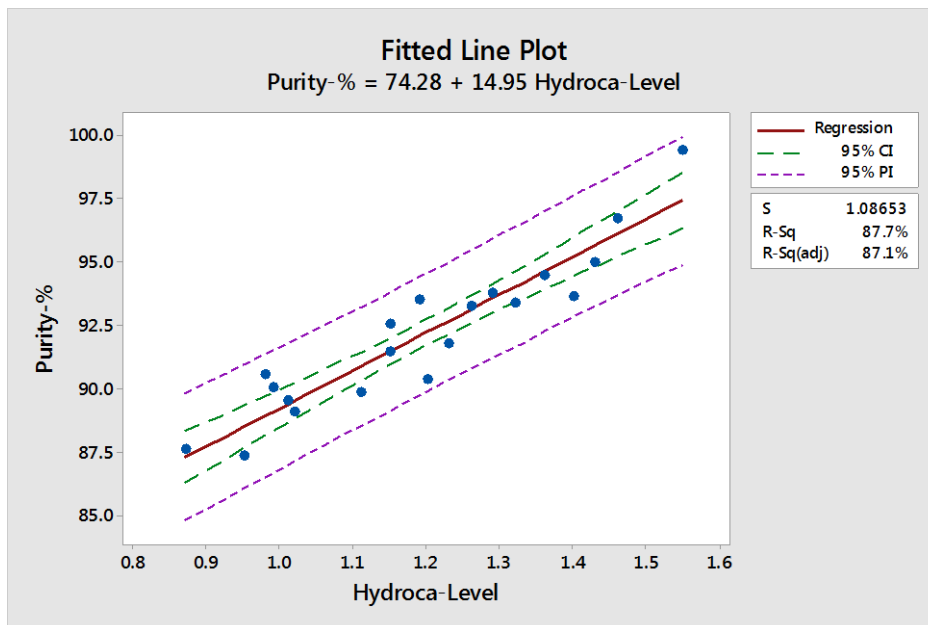
S = 1.08653 R-Sq = 87.7% R-Sq(adj) = 87.1%

Analysis of Variance

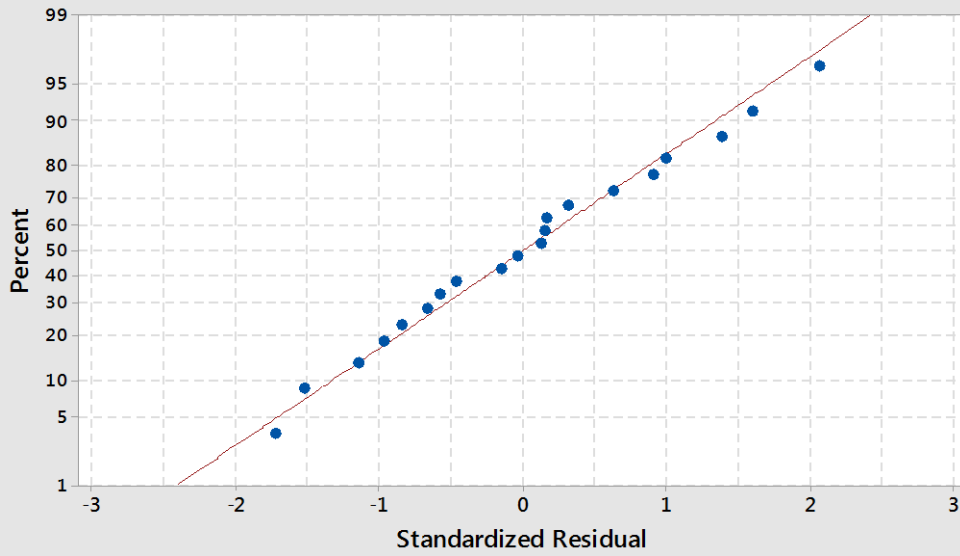
Source	DF	SS	MS	F	P
Regression	1	152.127	152.127	128.86	0.000
Error	18	21.250	1.181		
Total	19	173.377			

Fitted Line: Purity-% versus Hydroca-Level

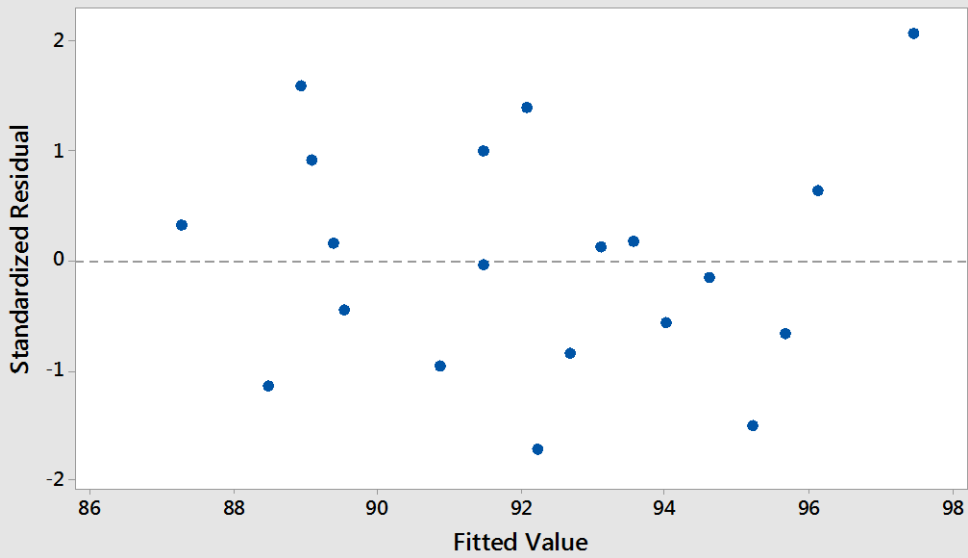
Normplot of Residuals for Purity-%



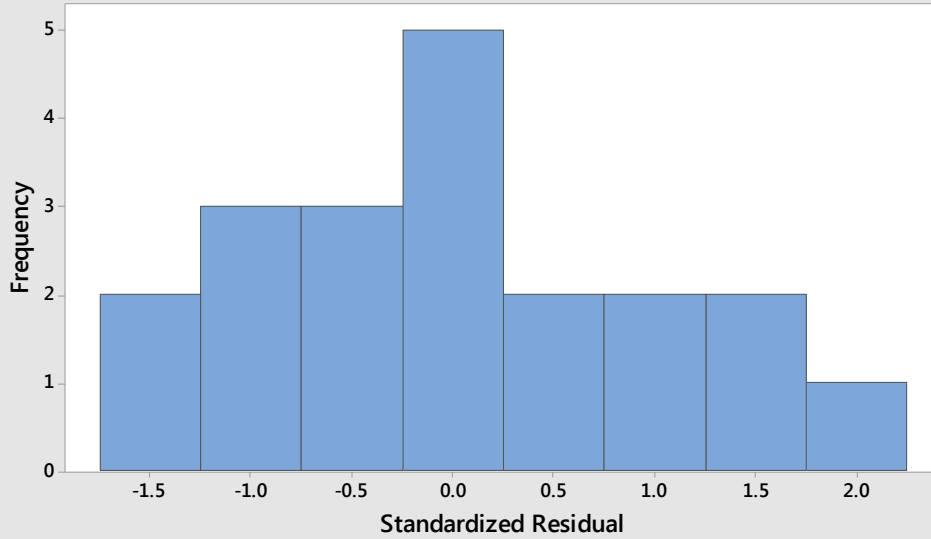
Normal Probability Plot
(response is Purity-%)



Versus Fits
(response is Purity-%)



Histogram
(response is Purity-%)



Versus Order
(response is Purity-%)

