SAS Output for Assignment G

The REG Procedure
Model: MODEL1
Dependent Variable: y

Number of Observations Read	54
Number of Observations Used	53
Number of Observations with Missing Values	1

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	1	6833.76632	6833.76632	123.40	<.0001
Error	51	2824.30915	55.37861		
Corrected Total	52	9658.07547			

Root MSE	7.44168	R-Square	0.7076
Dependent Mean	71.13208	Adj R-Sq	0.7018
Coeff Var	10.46178		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > |t|
Intercept	1	31.75229	3.68942	8.61	<.0001
x	1	11.36780	1.02333	11.11	<.0001

Output Statistics

Obs	Dependent Variable	Predicted Value	Std Error Mean Predict	95% CL Mean		95% CL Predict		Residual
1	78.0000	81.7706	1.4007	78.9585	84.5827	66.5685	96.9728	-3.7706
2	80.0000	80.6338	1.3329	77.9580	83.3097	65.4563	95.8114	-0.6338
3	76.0000	82.9074	1.4726	79.9511	85.8638	67.6779	98.1369	-6.9074
4	75.0000	77.2235	1.1600	74.8947	79.5523	62.1033	92.3437	-2.2235
5	74.0000	76.0867	1.1153	73.8477	78.3257	60.9801	91.1934	-2.0867
6	56.0000	51.0776	2.0746	46.9126	55.2425	35.5681	66.5871	4.9224
7	82.0000	76.0867	1.1153	73.8477	78.3257	60.9801	91.1934	5.9133
8	73.0000	73.8132	1.0503	71.7046	75.9217	58.7253	88.9010	-0.8132
9	68.0000	77.2235	1.1600	74.8947	79.5523	62.1033	92.3437	-9.2235
10	80.0000	76.0867	1.1153	73.8477	78.3257	60.9801	91.1934	3.9133
11	84.0000	80.6338	1.3329	77.9580	83.3097	65.4563	95.8114	3.3662
12	67.0000	73.8132	1.0503	71.7046	75.9217	58.7253	88.9010	-6.8132
13	76.0000	77.2235	1.1600	74.8947	79.5523	62.1033	92.3437	-1.2235
14	69.0000	73.8132	1.0503	71.7046	75.9217	58.7253	88.9010	-4.8132
15	53.0000	57.8982	1.5697	54.7468	61.0496	42.6297	73.1668	-4.8982
16	68.0000	80.6338	1.3329	77.9580	83.3097	65.4563	95.8114	-12.6338
17	80.0000	71.5396	1.0229	69.4861	73.5931	56.4593	86.6199	8.4604
18	57.0000	66.9925	1.0880	64.8082	69.1767	51.8939	82.0911	-9.9925
19	86.0000	74.9499	1.0784	72.7849	77.1150	59.8541	90.0458	11.0501
20	86.0000	72.6764	1.0316	70.6054	74.7474	57.5937	87.7590	13.3236
21	84.0000	78.3603	1.2117	75.9276	80.7929	63.2237	93.4968	5.6397
22	90.0000	77.2235	1.1600	74.8947	79.5523	62.1033	92.3437	12.7765
23	51.0000	53.3511	1.8992	49.5383	57.1639	37.9325	68.7698	-2.3511
24	72.0000	74.9499	1.0784	72.7849	77.1150	59.8541	90.0458	-2.9499
25	50.0000	57.8982	1.5697	54.7468	61.0496	42.6297	73.1668	-7.8982
26	42.0000	52.2143	1.9862	48.2269	56.2018	36.7516	67.6771	-10.2143
27	85.0000	84.0442	1.5479	80.9367	87.1517	68.7846	99.3037	0.9558
28	75.0000	74.9499	1.0784	72.7849	77.1150	59.8541	90.0458	0.0501
29	93.0000	85.1810	1.6261	81.9164	88.4456	69.8886	100.4733	7.8190
30	91.0000	78.3603	1.2117	75.9276	80.7929	63.2237	93.4968	12.6397
31	45.0000	52.2143	1.9862	48.2269	56.2018	36.7516	67.6771	-7.2143
32	75.0000	74.9499	1.0784	72.7849	77.1150	59.8541	90.0458	0.0501

33	55.0000	51.0776	2.0746	46.9126	55.2425	35.5681	66.5871	3.9224
34	51.0000	52.2143	1.9862	48.2269	56.2018	36.7516	67.6771	-1.2143
35	88.0000	85.1810	1.6261	81.9164	88.4456	69.8886	100.4733	2.8190
36	66.0000	60.1718	1.4207	57.3196	63.0239	44.9622	75.3814	5.8282
37	76.0000	87.4545	1.7899	83.8611	91.0480	72.0886	102.8204	-11.4545
38	79.0000	68.1293	1.0573	66.0066	70.2519	53.0394	83.2191	10.8707
39	51.0000	52.2143	1.9862	48.2269	56.2018	36.7516	67.6771	-1.2143
40	84.0000	82.9074	1.4726	79.9511	85.8638	67.6779	98.1369	1.0926
41	58.0000	51.0776	2.0746	46.9126	55.2425	35.5681	66.5871	6.9224
42	53.0000	53.3511	1.8992	49.5383	57.1639	37.9325	68.7698	-0.3511
43	80.0000	84.0442	1.5479	80.9367	87.1517	68.7846	99.3037	-4.0442
44	70.0000	78.3603	1.2117	75.9276	80.7929	63.2237	93.4968	-8.3603
45	74.0000	84.0442	1.5479	80.9367	87.1517	68.7846	99.3037	-10.0442
46	82.0000	84.0442	1.5479	80.9367	87.1517	68.7846	99.3037	-2.0442
47	49.0000	53.3511	1.8992	49.5383	57.1639	37.9325	68.7698	-4.3511
48	79.0000	73.8132	1.0503	71.7046	75.9217	58.7253	88.9010	5.1868
49	75.0000	70.4028	1.0243	68.3465	72.4592	55.3222	85.4835	4.5972
50	51.0000	54.4879	1.8138	50.8466	58.1292	39.1107	69.8650	-3.4879
51	82.0000	71.5396	1.0229	69.4861	73.5931	56.4593	86.6199	10.4604
52	60.0000	74.9499	1.0784	72.7849	77.1150	59.8541	90.0458	-14.9499
53	86.0000	70.4028	1.0243	68.3465	72.4592	55.3222	85.4835	15.5972
54	.	65.8557	1.1272	63.5928	68.1186	50.7455	80.9659	.

Sum of Residuals	0
Sum of Squared Residuals	2824.30915
Predicted Residual SS (PRESS)	3015.62223

The UNIVARIATE Procedure
Variable: resid (Residual)

Moments

N	53	Sum Weights	53
Mean	0	Sum Observations	0
Std Deviation	7.36977867	Variance	54.3136376
Skewness	0.16045423	Kurtosis	-0.6220198
Uncorrected SS	2824.30915	Corrected SS	2824.30915
Coeff Variation	.	Std Error Mean	1.01231695

Tests for Normality

Test	--Statistic---		-----p Value------	
Shapiro-Wilk	W	0.982978	Pr < W	0.6471
Kolmogorov-Smirnov	D	0.082196	Pr > D	>0.1500
Cramer-von Mises	W-Sq	0.04037	Pr > W-Sq	>0.2500
Anderson-Darling	A-Sq	0.258133	Pr > A-Sq	>0.2500