

Canadian Prestige data

Obs	occupation	education	income	women	prestige	census	type
1	GOV.ADMINISTRATORS	13.11	12351	11.16	68.8	1113	prof
2	GENERAL.MANAGERS	12.26	25879	4.02	69.1	1130	prof
3	ACCOUNTANTS	12.77	9271	15.70	63.4	1171	prof
4	PURCHASING.OFFICERS	11.42	8865	9.11	56.8	1175	prof
5	CHEMISTS	14.62	8403	11.68	73.5	2111	prof
6	PHYSICISTS	15.64	11030	5.13	77.6	2113	prof
7	BIOLOGISTS	15.09	8258	25.65	72.6	2133	prof
8	ARCHITECTS	15.44	14163	2.69	78.1	2141	prof
9	CIVIL.ENGINEERS	14.52	11377	1.03	73.1	2143	prof
10	MINING.ENGINEERS	14.64	11023	0.94	68.8	2153	prof

***The REG Procedure
Model: MODEL1***

Model Crossproducts X'X X'Y Y'Y				
Variable	Intercept	education	income	prestige
Intercept	98	1057.92	680008	4638.1
education	1057.92	12153.3496	7988004.16	54018.44
income	680008	7988004.16	6452557530	37114096.3
prestige	4638.1	54018.44	37114096.3	247856.79

The REG Procedure
Model: MODEL1
Dependent Variable: prestige

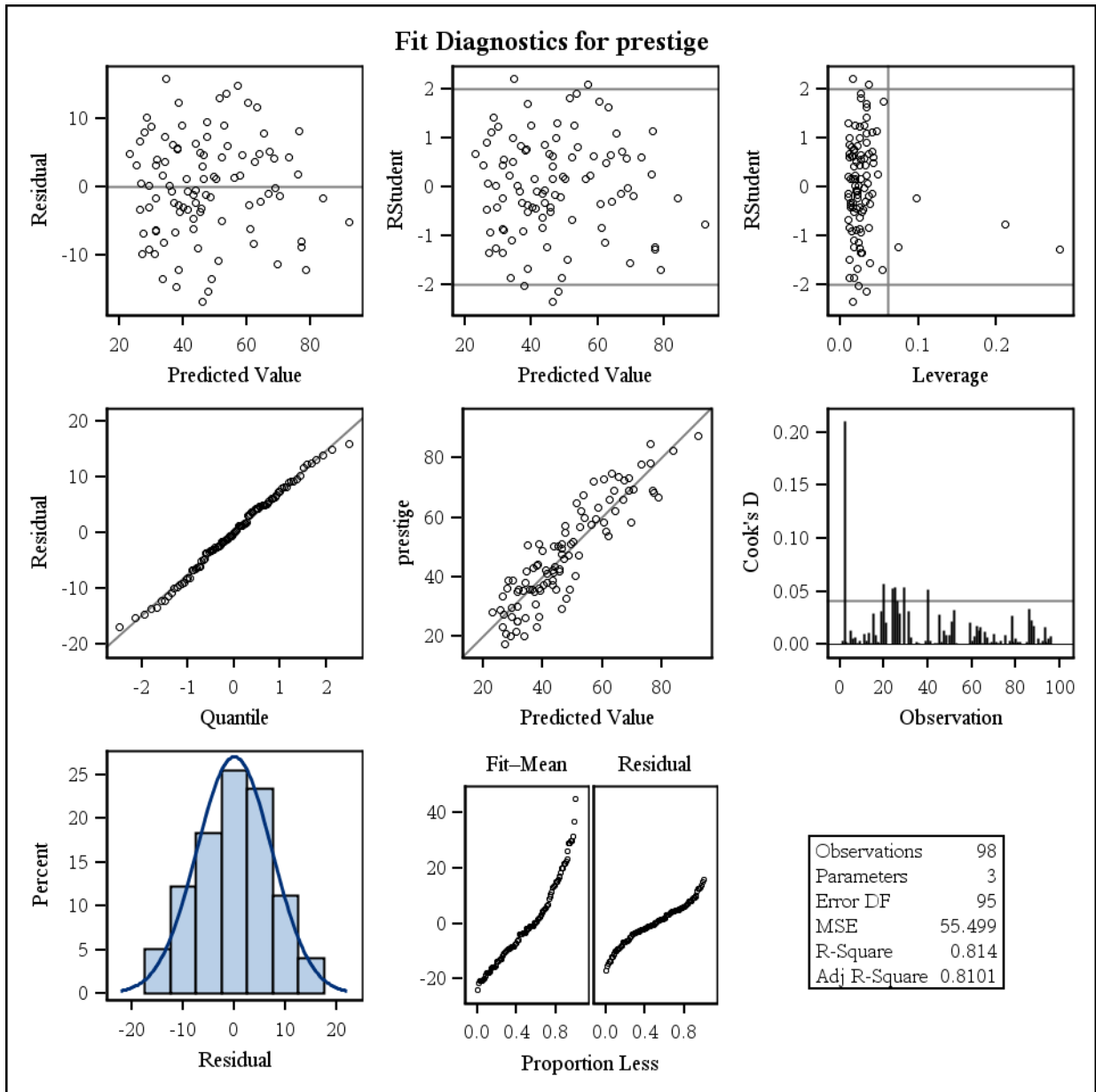
Number of Observations Read	98
Number of Observations Used	98

Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	23074	11537	207.88	<.0001
Error	95	5272.43896	55.49936		
Corrected Total	97	28347			

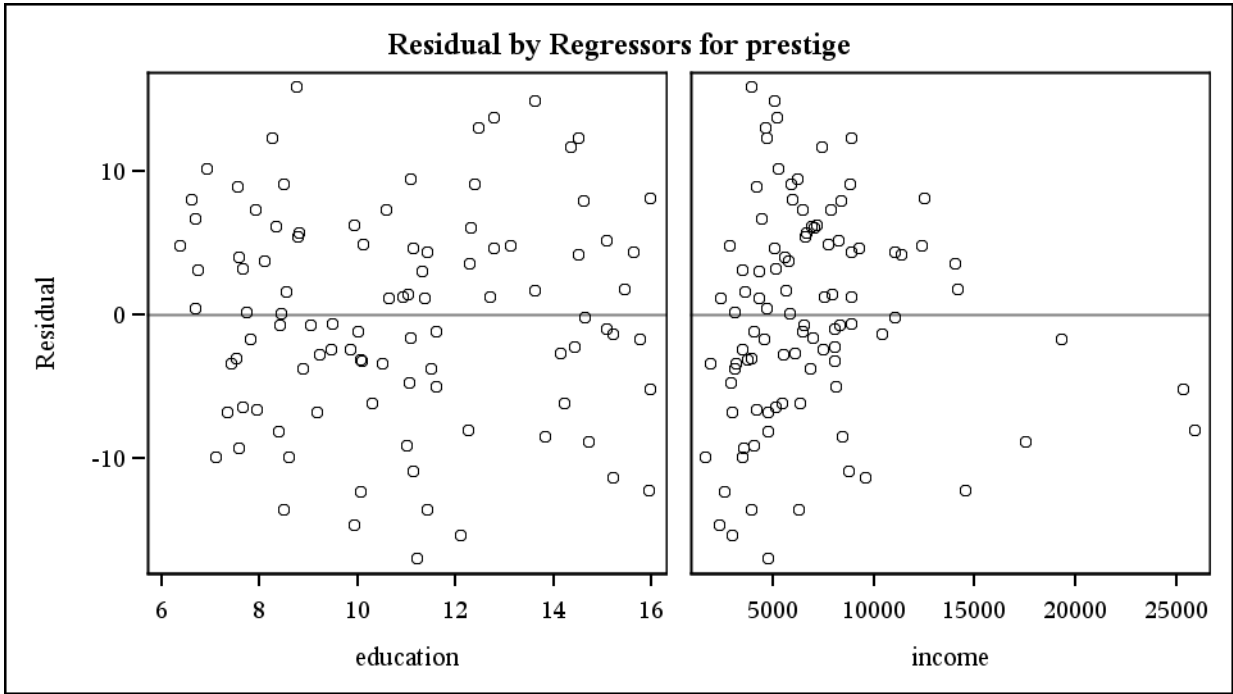
Root MSE	7.44979	R-Square	0.8140
Dependent Mean	47.32755	Adj R-Sq	0.8101
Coeff Var	15.74091		

Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-7.62104	3.11623	-2.45	0.0163
education	1	4.29211	0.33606	12.77	<.0001
income	1	0.00124	0.00021849	5.68	<.0001

The REG Procedure
Model: MODEL1
Dependent Variable: prestige



The REG Procedure
Model: MODEL1
Dependent Variable: prestige



The REG Procedure
Model: MODEL1

Test 1 Results for Dependent Variable prestige				
Source	DF	Mean Square	F Value	Pr > F
Numerator	1	9040.83071	162.90	<.0001
Denominator	95	55.49936		

invpx		
0.174973	-0.016697	2.2308E-6
-0.016697	0.002035	-7.596E-7
2.2308E-6	-7.596E-7	8.602E-10

bhat
-7.620338
4.2920227
0.0012416

ssh	msh	fglobal
23074.085	11537.043	207.87701

ssh2	msh2	fh2
9040.4798	9040.4798	162.89338