

Prestige data

Obs	occupation	type	income	education	prestige	obs
1	accountant	prof	62	86	82	1
2	pilot	prof	72	76	83	2
3	architect	prof	75	92	90	3
4	author	prof	55	90	76	4
5	chemist	prof	64	86	90	5
6	minister	prof	21	84	87	6
7	professor	prof	64	93	93	7
8	dentist	prof	80	100	90	8
9	reporter	wc	67	87	52	9
10	engineer	prof	72	86	88	10

The MEANS Procedure

Variable	N	Mean	Std Dev	Minimum	Maximum
income	45	41.8666667	24.4350717	7.0000000	81.0000000
education	45	52.5555556	29.7608311	7.0000000	100.0000000
prestige	45	47.6888889	31.5103318	3.0000000	97.0000000
obs	45	23.0000000	13.1339255	1.0000000	45.0000000

The REG Procedure
Model: MODEL1
Dependent Variable: prestige

Number of Observations Read	45
Number of Observations Used	45

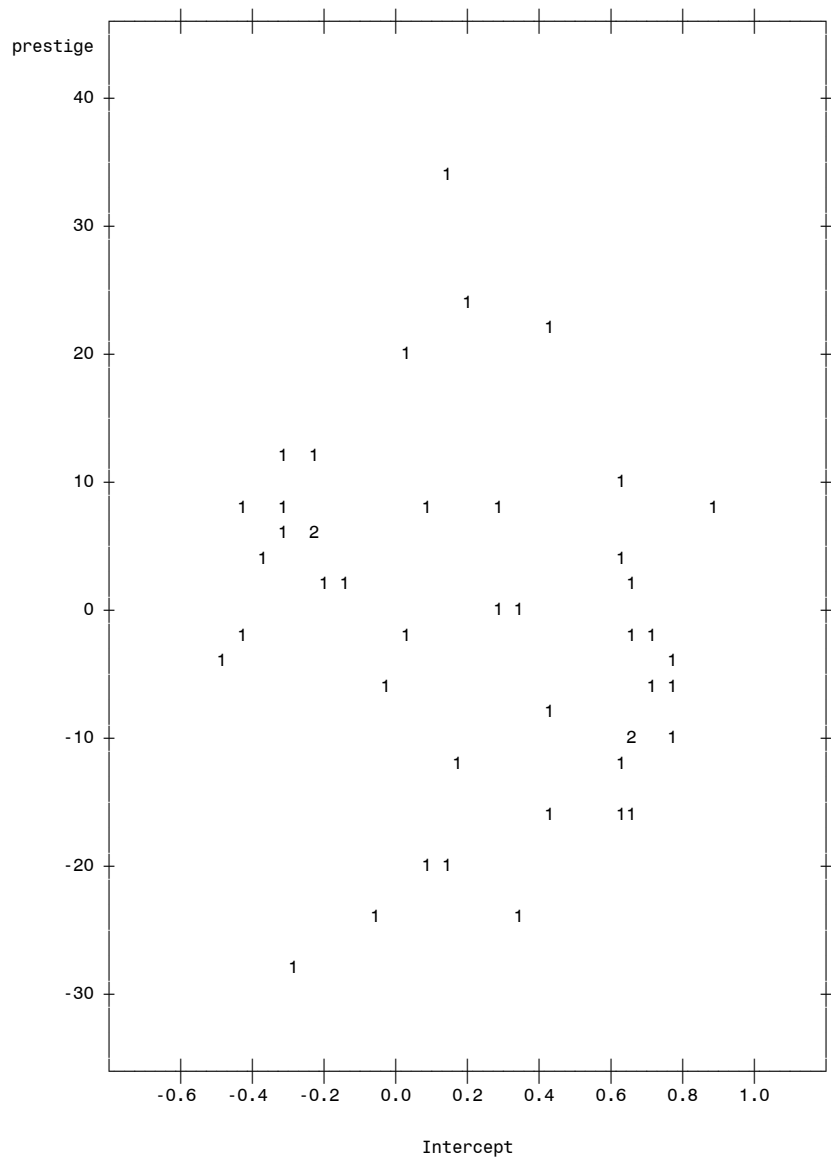
Analysis of Variance					
Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	2	36181	18090	101.22	<.0001
Error	42	7506.69865	178.73092		
Corrected Total	44	43688			

Root MSE	13.36903	R-Square	0.8282
Dependent Mean	47.68889	Adj R-Sq	0.8200
Coeff Var	28.03384		

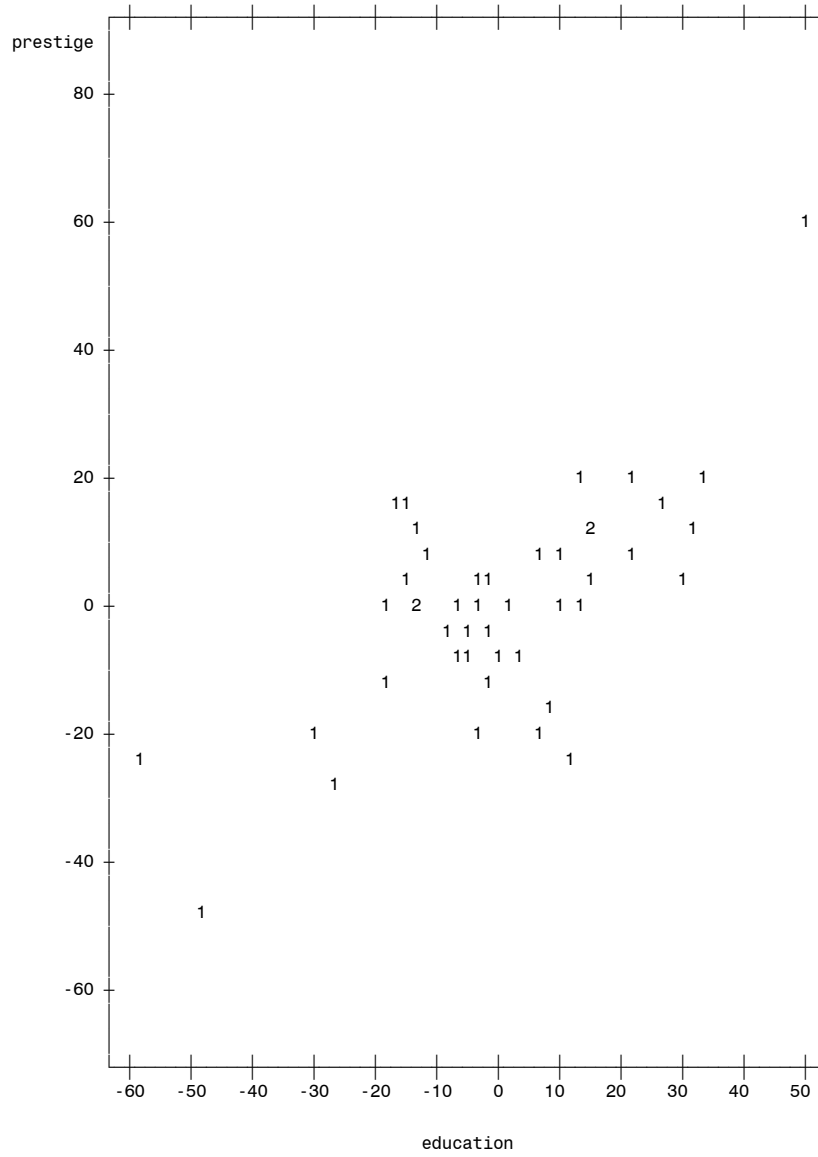
Parameter Estimates					
Variable	DF	Parameter Estimate	Standard Error	t Value	Pr > t
Intercept	1	-6.06466	4.27194	-1.42	0.1631
education	1	0.54583	0.09825	5.56	<.0001
income	1	0.59873	0.11967	5.00	<.0001

Prestige data

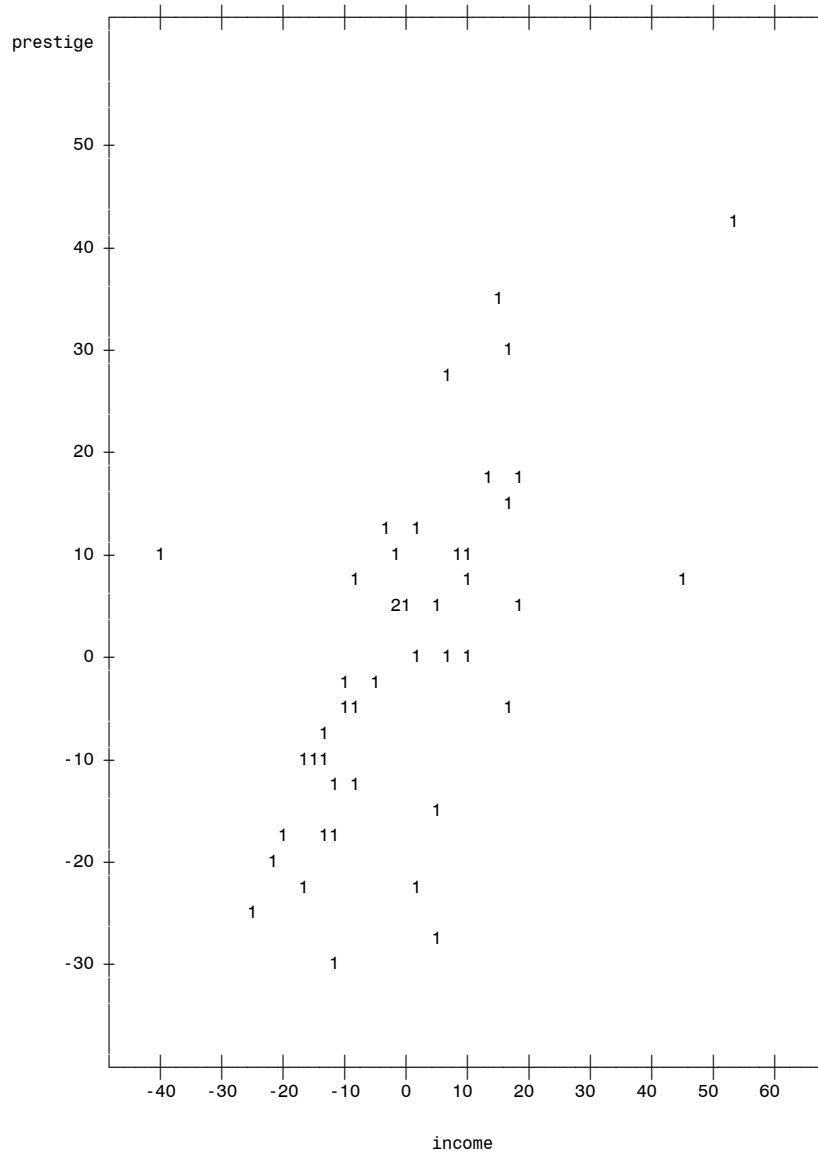
*The REG Procedure
Model: MODEL1
Partial Regression Residual Plot*



The REG Procedure
Model: MODEL1
Partial Regression Residual Plot



The REG Procedure
Model: MODEL1
Partial Regression Residual Plot



Prestige data

Obs	occupation	type	income	education	prestige	obs	pred	lcimu	ucimu	lpi
1	accountant	prof	62	86	82	1	77.9985	71.9099	84.087	50.3402
2	pilot	prof	72	76	83	2	78.5275	72.0681	84.987	50.7852
3	architect	prof	75	92	90	3	89.0570	81.9374	96.177	61.1536
4	author	prof	55	90	76	4	75.9907	69.1178	82.864	48.1492
5	chemist	prof	64	86	90	5	79.1960	73.0837	85.308	51.5325
6	minister	prof	21	84	87	6	52.3588	41.1351	63.582	23.1376
7	professor	prof	64	93	93	7	83.0168	76.1652	89.868	55.1806
8	dentist	prof	80	100	90	8	96.4174	88.4206	104.414	68.2774
9	reporter	wc	67	87	52	9	81.5380	75.2456	87.830	53.8341
10	engineer	prof	72	86	88	10	83.9858	77.4145	90.557	56.2173
11	undertaker	prof	42	74	57	11	59.4738	53.6379	65.310	31.8701
12	lawyer	prof	76	98	89	12	92.9308	85.3354	100.526	64.9022
13	physician	prof	76	97	97	13	92.3849	84.8666	99.903	64.3772
14	welfare.worker	prof	41	84	59	14	64.3334	56.7847	71.882	36.3175
15	teacher	prof	48	91	73	15	72.3454	64.5919	80.099	44.2736
16	conductor	wc	76	34	38	16	57.9974	46.0974	69.897	28.5098

Obs	upi	res	stres	cook	hat	jkres	dffits	covr
1	105.657	4.0015	0.30724	0.00169	0.05093	0.30390	0.07040	1.12503
2	106.270	4.4725	0.34456	0.00241	0.05732	0.34092	0.08407	1.13069
3	116.960	0.9430	0.07313	0.00013	0.06964	0.07226	0.01977	1.15499
4	103.832	0.0093	0.00072	0.00000	0.06489	0.00071	0.00019	1.14957
5	106.859	10.8040	0.82971	0.01242	0.05133	0.82658	0.19226	1.07832
6	81.580	34.6412	2.84942	0.56638	0.17306	3.13452	1.43393	0.68239
7	110.853	9.9832	0.77205	0.01370	0.06449	0.76828	0.20172	1.10084
8	124.557	-6.4174	-0.50260	0.00811	0.08785	-0.49808	-0.15458	1.15737
9	109.242	-29.5380	-2.27209	0.09898	0.05439	-2.39702	-0.57490	0.76703
10	111.754	4.0142	0.30958	0.00201	0.05932	0.30622	0.07690	1.13496
11	87.078	-2.4738	-0.18953	0.00059	0.04679	-0.18734	-0.04151	1.12484
12	120.959	-3.9308	-0.30641	0.00269	0.07925	-0.30308	-0.08892	1.15969
13	120.393	4.6151	0.35944	0.00363	0.07765	0.35569	0.10321	1.15475
14	92.349	-5.3334	-0.41554	0.00489	0.07828	-0.41141	-0.11990	1.15195
15	100.417	0.6546	0.05112	0.00008	0.08259	0.05051	0.01515	1.17152
16	87.485	-19.9974	-1.66668	0.22364	0.19454	-1.70403	-0.83746	1.08693

Prestige data

Obs	occupation	type	income	education	prestige	obs	pred	lcimu	ucimu	lpi
17	contractor	prof	53	45	76	17	50.2307	44.6195	55.842	22.6736
18	factory.owner	prof	60	56	81	18	60.4260	54.8148	66.037	32.8689
19	store.manager	prof	42	44	45	19	43.0988	38.7246	47.473	15.7667
20	banker	prof	78	82	92	20	85.3949	78.1433	92.646	57.4575
21	bookkeeper	wc	29	72	39	21	50.5986	42.9792	58.218	22.5636
22	mail.carrier	wc	48	55	34	22	52.6954	48.5044	56.886	25.3920
23	insurance.agent	wc	55	71	41	23	65.6198	60.8447	70.395	38.2207
24	store.clerk	wc	29	50	16	24	38.5903	33.7111	43.469	11.1729
25	carpenter	bc	21	23	33	25	19.0629	13.3078	24.818	-8.5239
26	electrician	bc	47	39	53	26	43.3633	37.9076	48.819	15.8374
27	RR.engineer	bc	81	28	67	27	57.7160	43.7206	71.712	27.3223
28	machinist	bc	36	32	57	28	32.9564	27.8156	38.097	5.4912
29	auto.repairman	bc	22	22	26	29	19.1158	13.3037	24.928	-8.4829
30	plumber	bc	44	25	29	30	33.9254	26.8280	41.023	6.0277
31	gas.stn.attendant	bc	15	29	10	31	18.7455	12.7308	24.760	-8.8966
32	coal.miner	bc	7	7	15	32	1.9473	-5.6984	9.593	-26.0949

Obs	upi	res	stres	cook	hat	jkres	dffits	covr
17	77.788	25.7693	1.97063	0.05852	0.04326	2.04380	0.43457	0.83984
18	87.983	20.5740	1.57333	0.03730	0.04325	1.60243	0.34072	0.93639
19	70.431	1.9012	0.14412	0.00019	0.02629	0.14242	0.02340	1.10235
20	113.332	6.6051	0.51294	0.00683	0.07224	0.50839	0.14186	1.13704
21	78.634	-11.5986	-0.90439	0.02363	0.07976	-0.90239	-0.26566	1.10121
22	79.999	-18.6954	-1.41559	0.01652	0.02413	-1.43325	-0.22537	0.95128
23	93.019	-24.6198	-1.87110	0.03774	0.03133	-1.93092	-0.34724	0.85471
24	66.008	-22.5903	-1.71808	0.03327	0.03270	-1.76049	-0.32371	0.89309
25	46.650	13.9371	1.06705	0.01809	0.04550	1.06886	0.23337	1.03708
26	70.889	9.6367	0.73603	0.00770	0.04089	0.73195	0.15113	1.07799
27	88.110	9.2840	0.81227	0.08097	0.26909	0.80892	0.49082	1.40250
28	60.422	24.0436	1.83202	0.04215	0.03631	1.88705	0.36627	0.86885
29	46.715	6.8842	0.52732	0.00451	0.04641	0.52274	0.11532	1.10504
30	61.823	-4.9254	-0.38187	0.00361	0.06920	-0.37795	-0.10306	1.14290
31	46.388	-8.7455	-0.67105	0.00785	0.04970	-0.66660	-0.15244	1.09519
32	29.990	13.0527	1.01807	0.03017	0.08031	1.01853	0.30098	1.08442

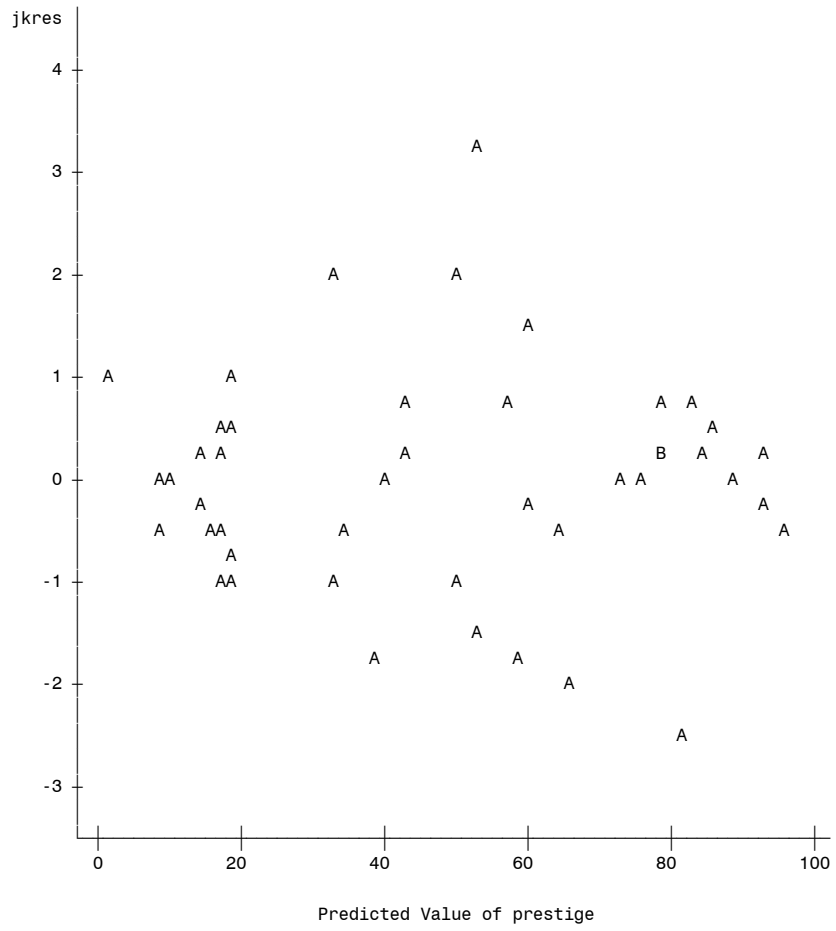
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Obs	occupation	type	income	education	prestige	obs	pred	lcimu	ucimu	lpi
33	streetcar.motorman	bc	42	26	19	33	33.2738	26.6294	39.918	5.4879
34	taxi.driver	bc	9	19	10	34	9.6948	2.8449	16.545	-18.1410
35	truck.driver	bc	21	15	13	35	14.6962	8.1658	21.227	-13.0626
36	machine.operator	bc	21	20	24	36	17.4254	11.4168	23.434	-10.2154
37	barber	bc	16	26	20	37	17.7067	11.7686	23.645	-9.9188
38	bartender	bc	16	28	7	38	18.7984	12.8965	24.700	-8.8194
39	shoe.shiner	bc	9	17	3	39	8.6031	1.6898	15.516	-19.2483
40	cook	bc	14	22	16	40	14.3259	8.0737	20.578	-13.3688
41	soda.clerk	bc	12	30	6	41	17.4951	11.0563	23.934	-10.2423
42	watchman	bc	17	25	11	42	17.7596	11.8820	23.637	-9.8530
43	janitor	bc	7	20	8	43	9.0431	1.9731	16.113	-18.8476
44	policeman	bc	34	47	41	44	39.9464	35.7078	44.185	12.6357
45	waiter	bc	8	32	10	45	16.1919	9.0241	23.360	-11.7238

Obs	upi	res	stres	cook	hat	jkres	dffits	covr
33	61.060	-14.2738	-1.10161	0.02612	0.06065	-1.10449	-0.28065	1.04802
34	37.531	0.3052	0.02360	0.00001	0.06446	0.02332	0.00612	1.14899
35	42.455	-1.6962	-0.13077	0.00035	0.05859	-0.12923	-0.03224	1.14048
36	45.066	6.5746	0.50445	0.00443	0.04960	0.49992	0.11420	1.11064
37	45.332	2.2933	0.17585	0.00052	0.04844	0.17381	0.03922	1.12720
38	46.416	-11.7984	-0.90442	0.01370	0.04785	-0.90242	-0.20231	1.06431
39	36.455	-5.6031	-0.43359	0.00440	0.06566	-0.42936	-0.11382	1.13513
40	42.021	1.6741	0.12872	0.00031	0.05370	0.12721	0.03030	1.13463
41	45.233	-11.4951	-0.88542	0.01578	0.05696	-0.88310	-0.21703	1.07725
42	45.372	-6.7596	-0.51806	0.00446	0.04746	-0.51350	-0.11462	1.10703
43	36.934	-1.0431	-0.08085	0.00016	0.06867	-0.07989	-0.02169	1.15369
44	67.257	1.0536	0.07980	0.00005	0.02468	0.07885	0.01254	1.10167
45	44.108	-6.1919	-0.48042	0.00584	0.07058	-0.47597	-0.13117	1.13764

Prestige data

Plot of jkres*pred. Legend: A = 1 obs, B = 2 obs, etc.



Plot of hat*obs. Legend: A = 1 obs, B = 2 obs, etc.

