

Multiple Regression: Median versus Total, Men, Women, ShareWomen, Full_time, Part_time, Full_time_year_round, Unemployment_rate, P25th, P75th, College_jobs, Employed

Note: The following terms cannot be estimated and were removed:
Women

Method

Rows unused 1

Regression Equation

Median = 6747 + 0.03790 Total – 0.03928 Men – 5022 ShareWomen + 0.1325 Full_time
– 0.0598 Part_time – 0.1049 Full_time_year_round – 13668 Unemployment_rate
+ 0.59567 P25th + 0.37856 P75th + 0.00759 College_jobs – 0.0614 Employed

Analysis of Variance

Source	DF	Adj SS	Adj MS	F-Value	P-Value
Regression	11	21018257213	1910750656	211.59	<0.0001
Error	160	1444889763	9030561		
Total	171	22463146977			

Model Summary

S	R-sq	R-sq(adj)
3005.09	93.57%	93.13%

Coefficients

Term	Coef	SE Coef	95% CI	T-Value	P-Value
Constant	6747	1679	(3430, 10063)	4.02	<0.0001
Total	0.03790	0.09136	(-0.14253, 0.21834)	0.41	0.6788
Men	-0.03928	0.03051	(-0.09954, 0.02098)	-1.29	0.1998
ShareWomen	-5022	1422	(-7830, -2214)	-3.53	0.0005
Full_time	0.1325	0.2694	(-0.3996, 0.6646)	0.49	0.6236
Part_time	-0.0598	0.2762	(-0.6053, 0.4857)	-0.22	0.8290
Full_time_year_round	-0.1049	0.2264	(-0.5519, 0.3422)	-0.46	0.6437
Unemployment_rate	-13668	7903	(-29275, 1939)	-1.73	0.0856
P25th	0.59567	0.03831	(0.52002, 0.67132)	15.55	<0.0001
P75th	0.37856	0.02484	(0.32950, 0.42762)	15.24	<0.0001
College_jobs	0.00759	0.02618	(-0.04411, 0.05930)	0.29	0.7721
Employed	-0.0614	0.2785	(-0.6113, 0.4886)	-0.22	0.8259

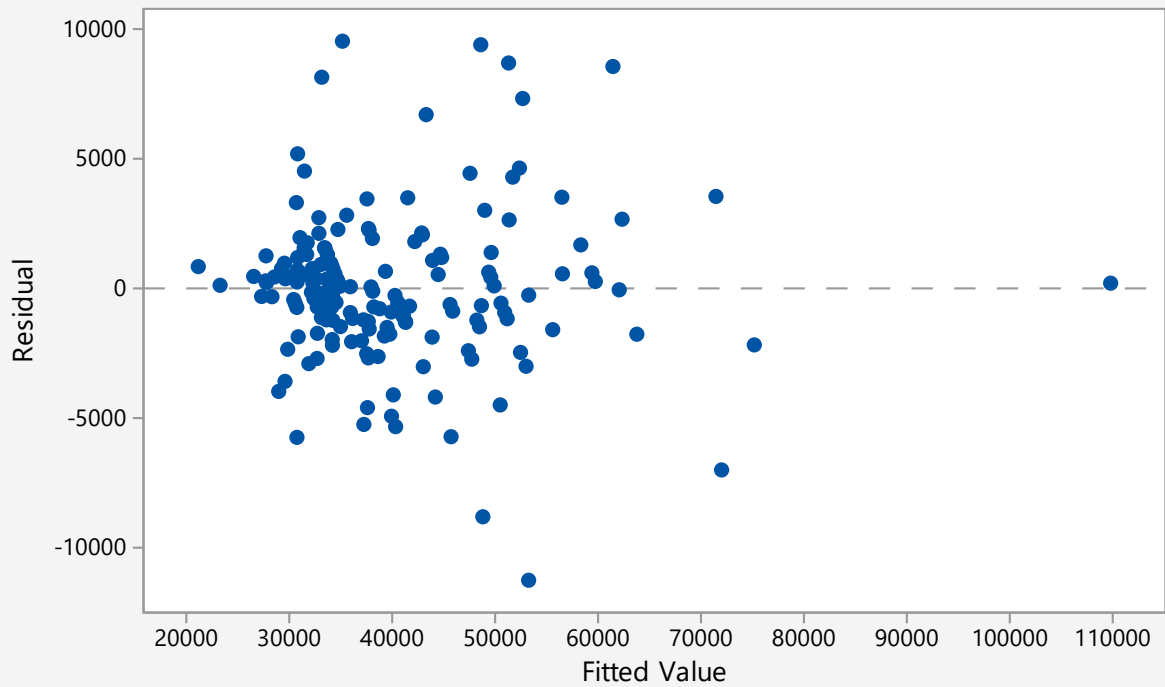
Fits and Diagnostics for Unusual Observations

Obs	Median	Fit	Resid	Std Resid	
1	110000	109799	201.0	0.08	X
4	70000	61442	8557.6	2.91	R
6	65000	72001	-7001.0	-2.56	R
8	62000	63767	-1766.5	-0.68	X
9	60000	59400	600.1	0.23	X
13	60000	51307	8692.6	2.93	R
14	60000	52677	7322.6	2.47	R
15	58000	48602	9397.6	3.28	R
21	53000	53260	-259.9	-0.10	X
33	50000	43299	6700.6	2.27	R
35	48000	48664	-664.2	-0.39	X
50	44700	35167	9533.0	3.21	R
53	42000	53255	-11254.5	-3.92	R
54	41300	33156	8143.6	2.79	R
61	40000	48807	-8807.1	-3.25	R
74	40000	45719	-5718.8	-2.05	R
77	38000	37943	56.6	0.02	X
79	38000	38108	-108.2	-0.05	X
95	35000	34244	755.8	0.29	X
124	33400	34120	-720.1	-0.46	X
139	32000	32391	-390.7	-0.20	X
146	31500	30795	704.9	0.33	X

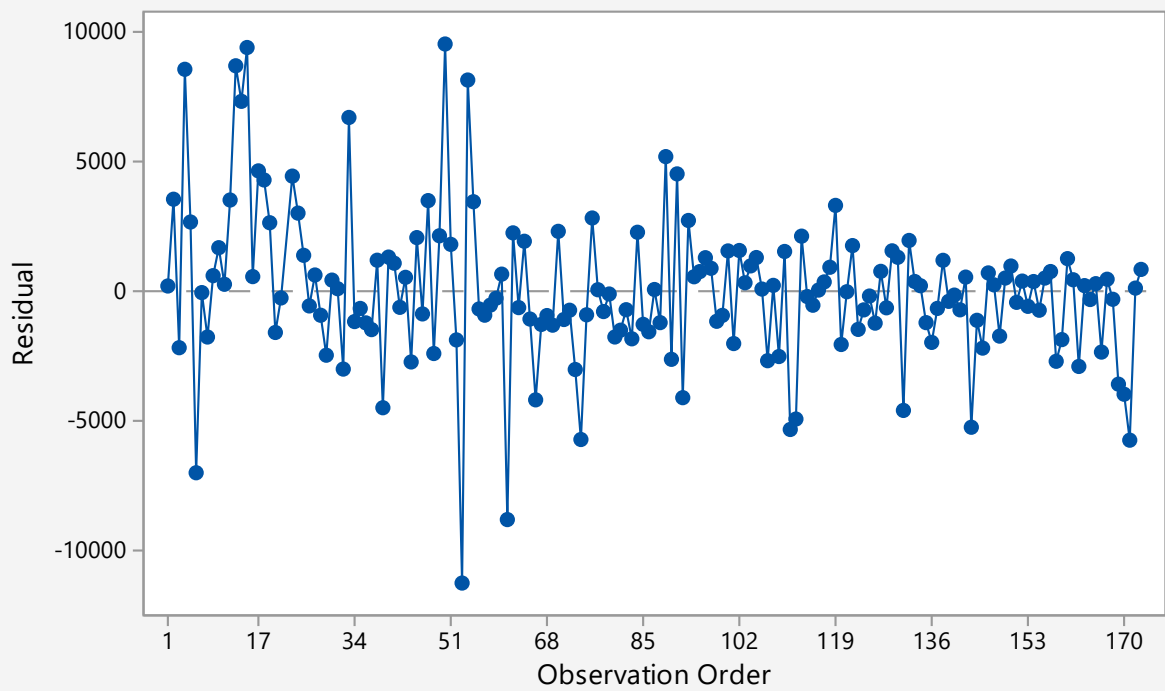
R Large residual

X Unusual *X*

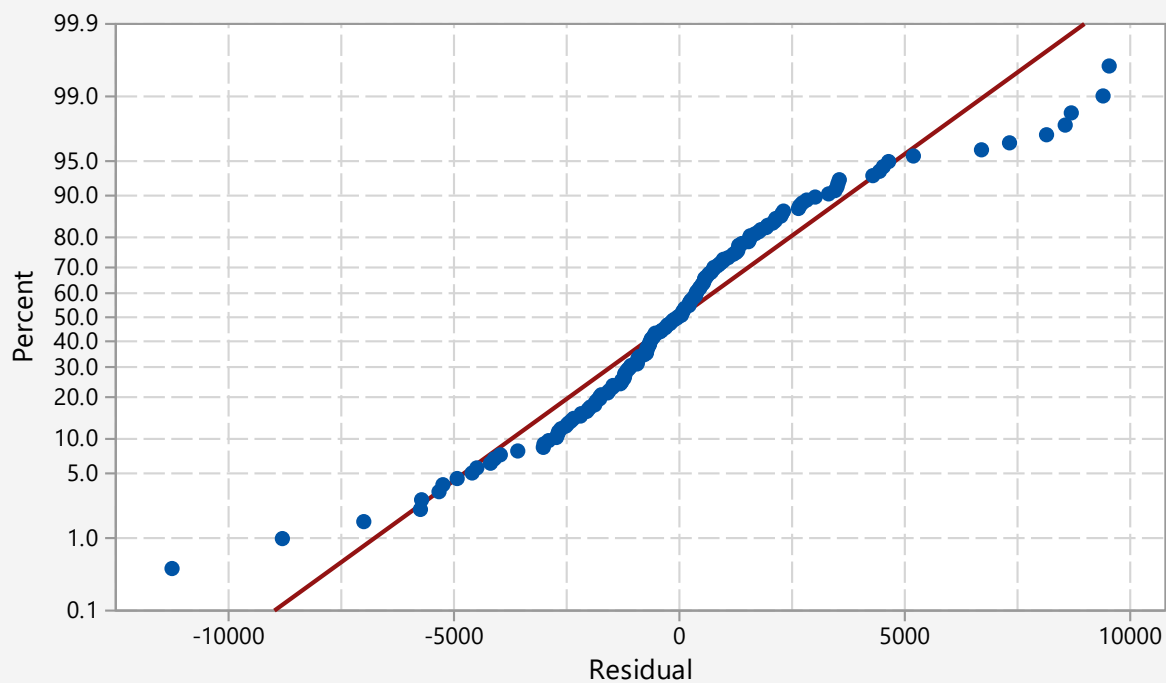
Versus Fits
(response is Median)



Versus Order
(response is Median)



Normal Probability Plot
(response is Median)



Histogram
(response is Median)

