Tabulation of s5_subfr by size and compet. type

S5_SUBFR	System Size											
	Small				Large				Total			
	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum
Competition Type												
Non-Competitive	207	0.54	0.23	112.29	163	0.58	0.24	94.52	370	0.56	0.23	206.81
Competitive	29	0.45	0.19	12.91	21	0.49	0.21	10.35	50	0.47	0.20	23.26
Total	236	0.53	0.23	125.20	184	0.57	0.24	104.87	420	0.55	0.23	230.07

Univariates for s5_subfr - Overall

Univariate Procedure

Variable=S5_SUBFR

Moments

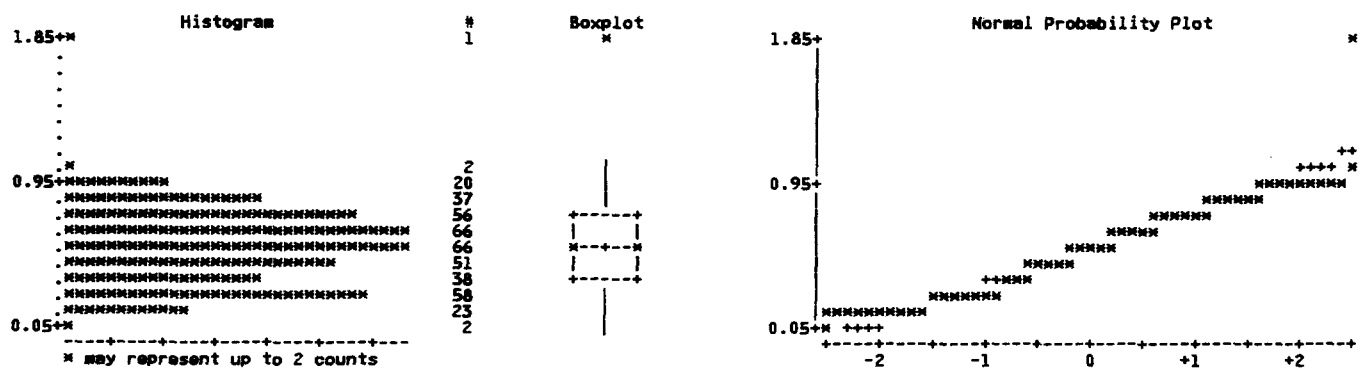
N	420	Sum Wgts	420
Mean	0.547788	Sum	230.071
Std Dev	0.230791	Variance	0.053265
Skewness	0.295801	Kurtosis	0.990757
USS	148.3481	CSS	22.31789
CV	42.13151	Std Mean	0.011261
T:Mean=0	48.6427	Prob>|T|	0.0001
Num ~= 0	420	Num > 0	420
M(Sign)	210	Prob>|M|	0.0001
Sgn Rank	44205	Prob>|S|	0.0001
W:Normal	0.969383	Prob<W	0.0001

Quantiles(Def=5)

100% Max	1.810345	99%	0.98
75% Q3	0.720238	95%	0.902625
50% Med	0.558829	90%	0.842578
25% Q1	0.368408	10%	0.239069
0% Min	0.08	5%	0.18543
		1%	0.124197
Range	1.730345		
Q3-Q1	0.351831		
Mode	0.5		

Extremes

Lowest	Obs	Highest	Obs
0.08(	187)	0.98(	138)
0.080274(	24)	0.992941(	311)
0.115985(	48)	1(	369)
0.118143(	295)	1(	405)
0.124197(	347)	1.810345(	317)



Tabulation of p_subs by size and compet. type

P_SUBS	System Size								Total			
	Small				Large							
	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum
Competition Type												
Non-Competitive	207	12.56	69.14	2599.73	163	154.53	468.41	25188.86	370	75.10	322.45	27788.59
Competitive	29	2.90	4.88	84.15	21	27.79	39.57	583.50	50	13.35	28.40	667.66
Total	236	11.37	64.83	2683.88	184	140.07	442.76	25772.37	420	67.75	303.42	28456.24

Univariates for p_subs - Overall

Univariate Procedure

Variable=P_SUBS

Moments

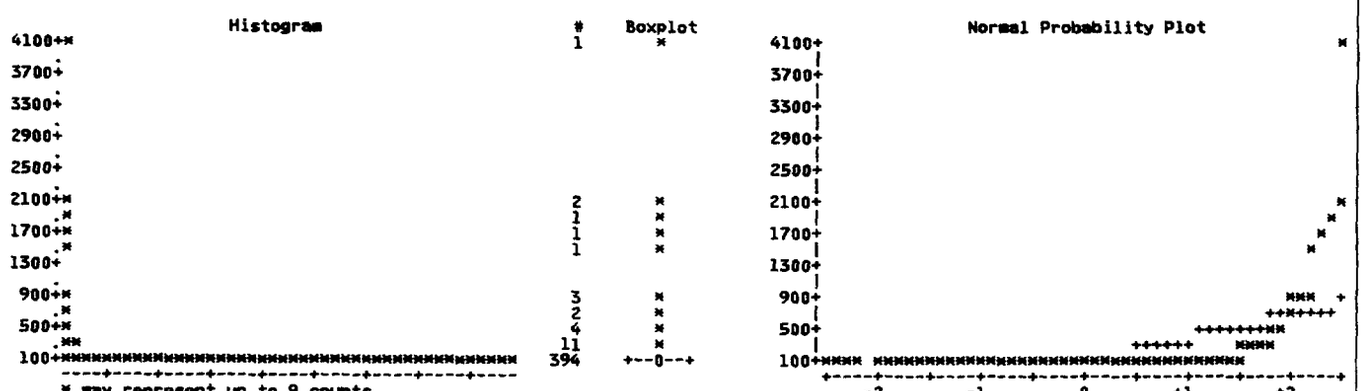
N	420	Sum Wgts	420
Mean	67.75296	Sum	28456.24
Std Dev	303.4174	Variance	92062.12
Skewness	8.681125	Kurtosis	93.546
USS	40502022	CSS	38574027
CV	447.829	Std Mean	14.80525
T:Mean=0	4.576279	Prob>|T|	0.0001
Num ^= 0	420	Num > 0	420
M(Sign)	210	Prob>|M|	0.0001
Sgn Rank	44205	Prob>|S|	0.0001
W:Normal	0.247128	Prob<W	0.0001

Quantiles(Def=5)

100%	Max	4157.385	99%	1731.45
75%	Q3	18.8973	95%	251.1494
50%	Med	2.920407	90%	85.2114
25%	Q1	1	10%	1
0%	Min	0.955729	5%	1
			1%	0.994493
Range		4156.429		
Q3-Q1		17.8973		
Mode		1		

Extremes

Lowest	Obs	Highest	Obs
0.955729(	185)	1731.45(	24)
0.961165(	134)	1945.954(	250)
0.985714(	399)	2071.226(	343)
0.991987(	190)	2085.42(	252)
0.994493(	284)	4157.385(	200)



Tabulation of p_asubs by size and compet. type

P_ASUBS	System Size											
	Small				Large				Total			
	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum
Competition Type												
Non-Competitive	19	0.67	0.39	12.82	129	0.24	0.43	31.16	148	0.30	0.45	43.98
Competitive	10	0.80	0.30	8.04	17	0.24	0.30	4.00	27	0.45	0.40	12.03
Total	29	0.72	0.36	20.86	146	0.24	0.42	35.15	175	0.32	0.45	56.02

Univariates for p_asubs - Overall

Univariate Procedure

Variable=P_ASUBS

Moments

N	175	Sum Wgts	175
Mean	0.320093	Sum	56.0162
Std Dev	0.445227	Variance	0.198227
Skewness	2.48921	Kurtosis	12.1721
USS	52.4219	CSS	34.49153
CV	139.0932	Std Mean	0.033656
T:Mean=0	9.510712	Prob>|T|	0.0001
Num ¬= 0	169	Num > 0	169
M(Sign)	84.5	Prob>|M|	0.0001
Sgn Rank	7182.5	Prob>|S|	0.0001
W:Normal	0.696839	Prob<W	0.0001

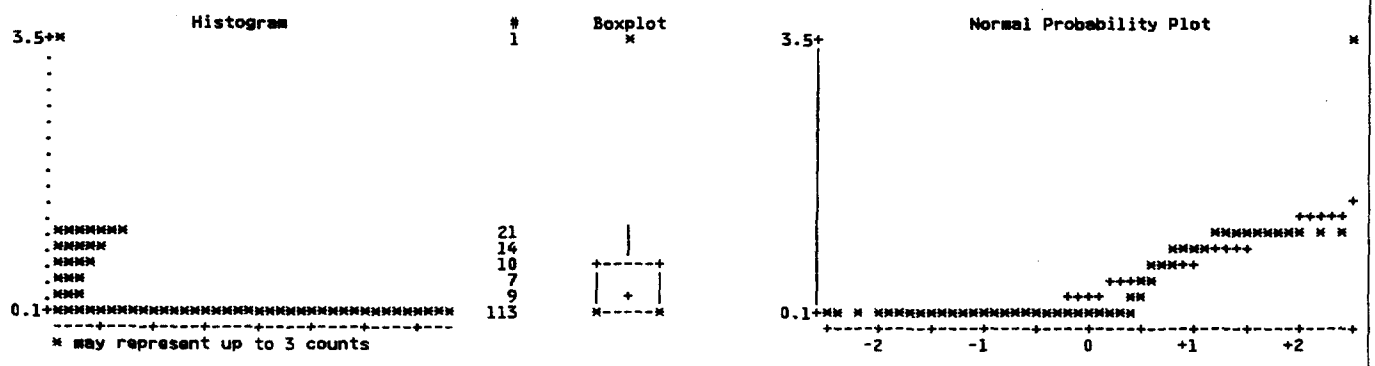
Quantiles(Def=5)

100% Max	3.427907	99%	1
75% Q3	0.666667	95%	1
50% Med	0.078968	90%	1
25% Q1	0.016288	10%	0.002967
0% Min	0	5%	0.000533
		1%	0
Range	3.427907		
Q3-Q1	0.650379		
Mode	1		

Extremes

Lowest	Obs	Highest	Obs
0(	343)	1(	259)
0(	254)	1(	340)
0(	149)	1(	349)
0(	124)	1(	414)
0(	92)	3.427907(	139)

Missing Value	.
Count	245
% Count/Nobs	58.33



Tabulation of p_hh by size and compet. type

P_HH	System Size											
	Small				Large				Total			
	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum
Competition Type												
Non-Competitive	200	0.90	3.33	179.85	161	0.26	0.37	41.23	361	0.61	2.51	221.09
Competitive	29	0.78	0.31	22.51	21	0.27	0.33	5.69	50	0.56	0.40	28.20
Total	229	0.88	3.12	202.37	182	0.26	0.36	46.92	411	0.61	2.36	249.29

Univariates for p_hh - Overall

Univariate Procedure

Variable=P_HH

Moments

N	411	Sum Wgts	411
Mean	0.606534	Sum	249.2855
Std Dev	2.35677	Variance	5.554365
Skewness	19.29515	Kurtosis	384.6693
USS	2428.49	CSS	2277.29
CV	388.5634	Std Mean	0.116251
T:Mean=0	5.217458	Prob>|T|	0.0001
Num ¬= 0	410	Num > 0	410
M(Sign)	205	Prob>|M|	0.0001
Sgn Rank	42127.5	Prob>|S|	0.0001
W:Normal	0.141369	Prob<W	0.0001

Quantiles(Def=5)

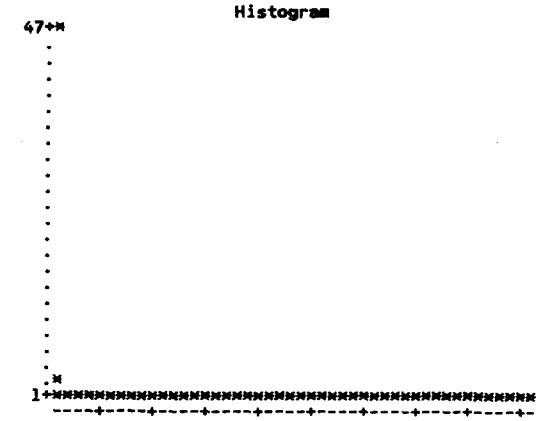
100% Max	47.49275	99%	1.002299
75% Q3	1	95%	1
50% Med	0.424909	90%	1
25% Q1	0.064935	10%	0.01779
0% Min	0	5%	0.006149
		1%	0.000881
Range	47.49275		
Q3-Q1	0.935065		
Mode	1		

Extremes

Lowest	Obs	Highest	Obs
0(	273)	1.002299(	192)
0.000377(	208)	1.153846(	232)
0.000568(	252)	1.404959(	133)
0.000768(	250)	2.169511(	73)
0.000881(	140)	47.49275(	25)

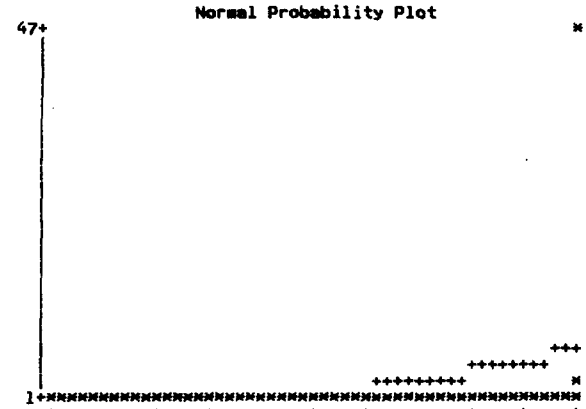
Missing Value	.
Count	9
% Count/Nobs	2.14

Histogram



Boxplot

Normal Probability Plot



Tabulation of p_hhpas by size and compet. type

P_HHPAS	System Size											
	Small				Large				Total			
	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum
Competition Type												
Non-Competitive	207	0.65	0.39	133.55	163	0.23	0.34	38.21	370	0.46	0.42	171.76
Competitive	29	0.81	0.30	23.37	21	0.27	0.34	5.73	50	0.58	0.41	29.10
Total	236	0.66	0.38	156.92	184	0.24	0.34	43.94	420	0.48	0.42	200.86

Univariates for p_hhpas - Overall

Univariate Procedure

Variable=P_HHPAS

Moments

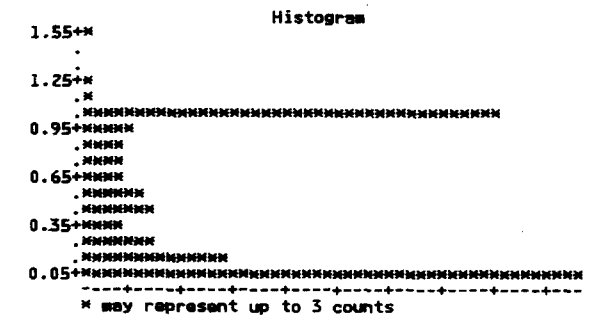
N	420	Sum Wgts	420
Mean	0.478258	Sum	200.8598
Std Dev	0.42111	Variance	0.177334
Skewness	0.224541	Kurtosis	-1.66087
USS	170.3616	CSS	74.30296
CV	88.05467	Std Mean	0.020548
T:Mean=0	23.27407	Prob>|T|	0.0001
Num ~= 0	420	Num > 0	420
M(Sign)	210	Prob>|M|	0.0001
Sgn Rank	44205	Prob>|S|	0.0001
W:Normal	0.790106	Prob<W	0.0001

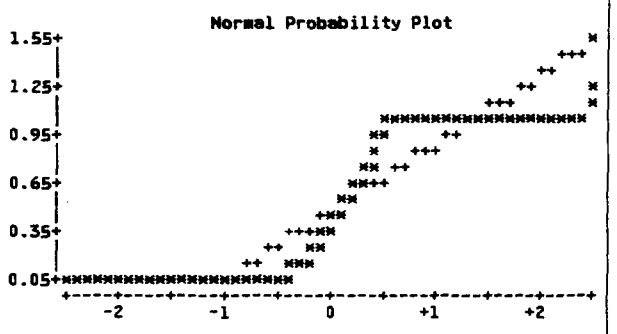
Quantiles(Def=5)

100% Max	1.505623	99%	1.000593
75% Q3	1	95%	1
50% Med	0.395264	90%	1
25% Q1	0.054337	10%	0.014428
0% Min	0.000411	5%	0.00461
		1%	0.000973
Range	1.505212		
Q3-Q1	0.945663		
Mode	1		

Extremes

Lowest	Obs	Highest	Obs
0.000411(	200)	1.000593(	12)
0.000599(	252)	1.002299(	192)
0.000812(	250)	1.12(	399)
0.000891(	343)	1.233467(	101)
0.000973(	289)	1.505623(	259)





Tabulation of p_miles by size and compet. type

P_MILES	System Size											
	Small				Large				Total			
	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum	N	Average	Std. Dev	Sum
Competition Type												
Non-Competitive	206	1.15	6.94	236.88	163	0.24	0.34	38.99	369	0.75	5.21	275.86
Competitive	29	0.74	0.33	21.54	21	0.28	0.33	5.94	50	0.55	0.40	27.48
Total	235	1.10	6.50	258.42	184	0.24	0.34	44.93	419	0.72	4.89	303.35

Univariates for p_miles - Overall

Univariate Procedure

Variable=P_MILES

Moments

N	419	Sum Wgts	419
Mean	0.723976	Sum	303.3461
Std Dev	4.888858	Variance	23.90093
Skewness	20.20943	Kurtosis	411.8728
USS	10210.21	CSS	9990.591
CV	675.2787	Std Mean	0.238836
T:Mean=0	3.031265	Prob>|T|	0.0026
Num ^= 0	414	Num > 0	414
M(Sign)	207	Prob>|M|	0.0001
Sgn Rank	42952.5	Prob>|S|	0.0001
W:Normal	0.089211	Prob<W	0.0001

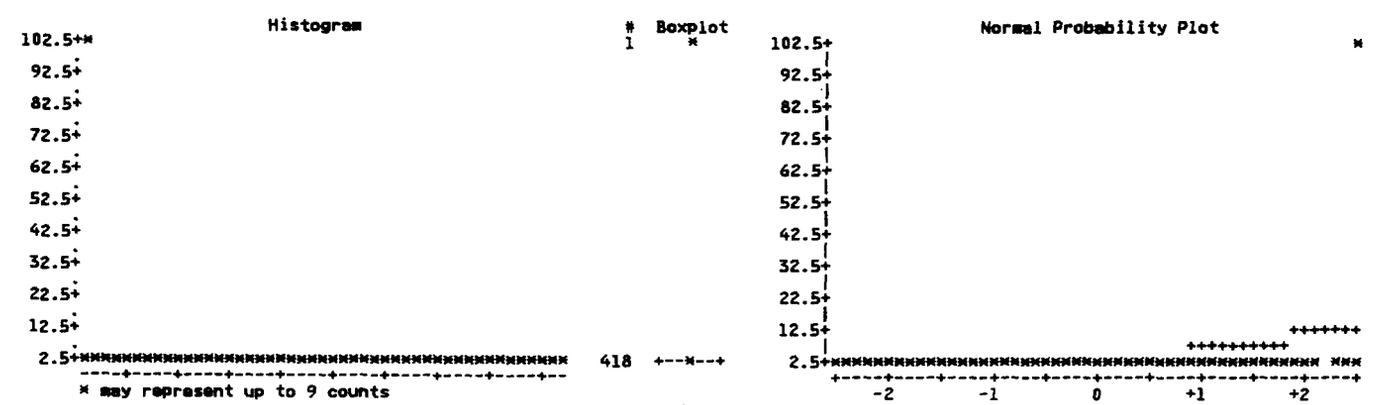
Quantiles(Def=5)

100% Max	100.1333	99%	1
75% Q3	1	95%	1
50% Med	0.369231	90%	1
25% Q1	0.071111	10%	0.017857
0% Min	0	5%	0.005852
		1%	0
Range	100.1333		
Q3-Q1	0.928889		
Mode	1		

Extremes

Lowest	Obs	Highest	Obs
0(	343)	1(	420)
0(	336)	1.5(	409)
0(	304)	1.666667(	42)
0(	303)	4(	203)
0(	249)	100.1333(	346)

Missing Value	.
Count	1
% Count/Nobs	0.24



Attachment 1-B

Logistic Regression

The LOGISTIC Procedure

Simple Statistics for Explanatory Variables

Variable	Mean	Standard Deviation	Minimum	Maximum
ARIEPS	18.213600	4.796929	10.1900	29.5700
A1	0.300000	0.462910	0	1.00000
C	0.220000	0.418452	0	1.00000
INCOME	25831	11344	10757.0	62183.0
LIN	10.087700	0.361527	9.28300	11.0380
LMS	2.432360	2.520967	0	7.09000
MSO	0.660000	0.478518	0	1.00000
OVL	0.680864	0.356566	0	1.00000
P_ASUBS	0.445719	0.403889	0.006986	1.00000
P_HH	0.563975	0.404892	0.011111	1.00230
P_HHPAS	0.581958	0.409291	0.011065	1.00250
P_MILES	0.549639	0.396552	0.016015	1.00000
PAO	0.303148	0.629741	0	4.32590
PNB	0.696204	0.069567	0.500000	0.840000
POPULATI	17616	16055	848.000	65924.0
PRM	0.201856	0.269766	0	1.31240
PTC	0.010960	0.062100	0	0.433500
PT2	0.463066	0.477685	0	1.00000
RSS	0.001650	0.003975	5.2E-6	0.025000
RTC	0.029850	0.088927	0.017940	0.055560
S2_AGEME	12.620000	9.783138	1.00000	33.0000
S2_ASUBS	5695.540000	10065	0	52963.0
S2_HH	40165	65771	400.000	322639
S2_HHPAS	34237	58119	300.000	320639
S2_HHSUB	19666	34219	40.0000	192696
S2_MILES	469.900000	719.355132	5.00000	2685.00
S2_MSONU	164.280000	362.795385	0	1200.00
S2_PABOV	78.340000	24.122654	0	100.000
S2_PARTM	0.660000	0.478518	0	1.00000
S2_PASMI	68.344128	53.420198	16.5393	391.792
S2_PASUB	0.263646	0.359291	0	1.34385
S2_SUBMI	37.880134	31.817764	5.00000	215.631
S2_SUBSY	0.536898	0.181259	0.080000	0.930693
S2BURY	0.140000	0.350510	0	1.00000
S5_ADDRS	1080.860000	1784.818701	0	7425.00
S5_BURY	0.120000	0.328261	0	1.00000
S5_HEADA	11.260000	9.093191	0	33.0000
S5_HH	8609.880000	14936	400.000	68000.0
S5_HHPAS	7616.440000	13029	300.000	65000.0
S5_HHSUB	3443.180000	6231.320117	40.0000	36948.0
S5_MILES	102.280000	142.845005	3.00000	741.000
S5_PABOV	76.460000	29.930675	0	100.000
S5_PASMI	65.810529	32.308813	13.0977	194.376
S5_PASUB	0.265908	0.346006	0	1.00000
S5_SUBFR	0.465199	0.197941	0.080000	0.895090
S5_SUBMI	30.400575	19.119341	5.00000	75.0000
S6_FPAID	32860	62761	0	245552
S7_FYACB	951.820000	3999.215034	0	25636.0
S7_FYABC	1126.840000	3550.188765	0	21678.0
S7_ODTV	0.480800	1.297407	0	5.00000
S7_OLTV	0.860000	0.313636	0	2.00000
S7_OSAT	10.240000	11.815866	0	38.0000
S7_TOTAC	42.620000	13.461798	0	66.0000
S7_1DTV	3.860000	2.920791	0	12.0000
S7_1LTV	6.560000	3.709667	0	15.0000
S7_1SAT	13.820000	11.296902	0	32.0000
P_SUBS	13.353113	28.404418	1.00000	150.192
S7_TDTV	4.340000	2.889884	0	12.0000
S7_TLTV	6.620000	3.713681	0	15.0000
S7_TSAT	24.060000	6.554045	9.00000	39.0000

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
ARIEPS	0.5803	0.1718	11.4085	0.0007	1.534810
A1	-0.5213	0.6443	0.6546	0.4185	-0.133043
C	-2.3539	1.0966	4.6072	0.0318	-0.543051
INCOME	0.000152	0.000056	7.3199	0.0068	0.952758
LIN	3.5607	1.2428	8.2083	0.0042	0.709727
LMS	0.0671	0.1147	0.3422	0.5586	0.093264
MSO	2.3203	0.8311	7.7943	0.0052	0.612140
OVL	-0.7044	0.8115	0.7534	0.3854	-0.138465
P_ASUBS	-4.8470	1.6450	8.6814	0.0032	-1.079096
P_HH	-3.8955	1.0042	15.0472	0.0001	-0.869592
P_HHPAS	-4.0367	1.0046	16.1446	0.0001	-0.910894
P_MILES	-3.6439	0.9990	13.3038	0.0003	-0.796659
PAO	3.9999	1.4289	7.8362	0.0051	1.388740
PNB	-1.4281	4.1673	0.1174	0.7318	-0.054775
POPULATI	0.000061	0.000023	7.0545	0.0079	0.540955
PRM	0.4254	1.0672	0.1589	0.6902	0.063266
PTC	-3.0884	6.1159	0.2550	0.6136	-0.105739
PT2	0.4993	0.6097	0.6708	0.4128	0.131507
RTC	-88.2902	40.7340	4.6980	0.0302	-0.434545
S2_AGEHE	0.0687	0.0323	4.5120	0.0337	0.370582
S2_ASUBS	0.000618	0.000222	7.7297	0.0054	3.430958
S2_MILES	0.0197	0.00711	7.6874	0.0056	7.814359
S2_MSONU	-0.00099	0.000945	1.0893	0.2966	-0.197367
S2_PABOV	-0.0112	0.0121	0.8544	0.3553	-0.148845
S2_PARTM	2.3203	0.8311	7.7943	0.0052	0.612140
S2_PASMI	0.0432	0.0158	7.4669	0.0063	1.272072
S2_PASUB	0.8614	0.8136	1.1212	0.2897	0.170640
S2_SUBMI	0.0669	0.0208	10.3306	0.0013	1.174194
S2_SUBSY	4.0911	1.8946	4.6627	0.0308	0.408841
S2BURY	-0.6827	0.8912	0.5867	0.4437	-0.131925
S5_ADDRS	0.000706	0.000294	5.7457	0.0165	0.694304
S5_BURY	-0.4187	0.9179	0.2081	0.6483	-0.075778
S5_HEADA	0.0350	0.0322	1.1814	0.2771	0.175502
S5_HH	0.000191	0.000077	6.0918	0.0136	1.573042
S5_HHPAS	0.000239	0.000096	6.2400	0.0125	1.715406
S5_HHSUB	0.000455	0.000183	6.1820	0.0129	1.562056
S5_MILES	0.0106	0.00451	5.5481	0.0185	0.837176
S5_PABOV	-0.0103	0.00976	1.1106	0.2919	-0.169746
S5_PASMI	0.0226	0.0113	3.9877	0.0458	0.402829
S5_PASUB	1.2454	0.8577	2.1081	0.1465	0.237574
S5_SUBFR	1.2430	1.4797	0.7056	0.4009	0.135647
S5_SUBMI	0.0291	0.0161	3.2651	0.0708	0.306646
S6_FPAID	0.000033	0.000017	3.5957	0.0579	1.127278
S7_FYACB	0.000199	0.000206	0.9362	0.3333	0.438900
S7_FYARC	0.000334	0.00026	1.6507	0.1989	0.653434
S7_ODTV	-0.00399	0.2233	0.0003	0.9858	-0.002851
S7_OSAT	0.0325	0.0249	1.7107	0.1909	0.211902
S7_TOTAC	0.0478	0.0251	3.6261	0.0569	0.355090
S7_1DTV	0.0288	0.0988	0.0847	0.7710	0.046329
S7_1LTV	0.2036	0.0911	4.9910	0.0255	0.616038
S7_1SAT	-0.0107	0.0258	0.1724	0.6780	-0.066602
P_SUBS	0.1404	0.0532	6.9777	0.0083	2.198817
S7_TDTV	0.0286	0.1000	0.0819	0.7747	0.045578
S7_TLTV	0.1931	0.0898	4.6214	0.0316	0.395362
S7_TSAT	0.0780	0.0480	2.6388	0.1043	0.281893

Correlation Analysis

15 'VAR' Variables: SIZE INCOME P_SUBS P_HH P_HHPAS P_MILES S2_PARTH S2_PASMI S2_SUBMI S2_SUBSY S5_PASMI S5_SUBMI S7_TLTV S7_TSAT S7_TOTAC

Simple Statistics

Variable	N	Mean	Std Dev	Median	Minimum	Maximum
SIZE	50	0.420000	0.498569	0	0	1.000000
INCOME	50	25831	11344	21023	10757	62183
P_SUBS	50	13.353113	28.404418	1.601424	1.000000	150.191738
P_HH	50	0.563975	0.404892	0.658749	0.011111	1.002299
P_HHPAS	50	0.581958	0.409291	0.709138	0.011065	1.002299
P_MILES	50	0.549639	0.396552	0.546338	0.016015	1.000000
S2_PARTH	50	0.668000	0.478518	1.000000	0	1.000000
S2_PASMI	50	68.344128	53.420198	57.488922	16.539326	391.792308
S2_SUBMI	50	37.080134	31.817764	27.316667	5.000000	215.630769
S2_SUBSY	50	0.536898	0.181259	0.524378	0.080000	0.930693
S5_PASMI	50	65.810529	32.308813	60.458333	13.097701	194.376471
S5_SUBMI	50	30.400575	19.119341	25.666931	5.000000	75.000000
S7_TLTV	50	6.620000	3.713681	7.000000	0	15.000000
S7_TSAT	50	24.060000	6.554045	24.000000	9.000000	39.000000
S7_TOTAC	50	42.620000	13.461798	42.500000	0	66.000000

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / N = 50

	SIZE	INCOME	P_SUBS	P_HH	P_HHPAS	P_MILES	S2_PARTH	S2_PASMI
SIZE	1.00000 0.0	0.47914 0.0004	0.43678 0.0015	-0.62244 0.0001	-0.64935 0.0001	-0.57801 0.0001	0.43969 0.0014	0.36072 0.0101
INCOME	0.47914 0.0004	1.00000 0.0	0.49822 0.0002	-0.27344 0.0547	-0.29665 0.0364	-0.23587 0.0991	0.27740 0.0511	0.19357 0.1780
P_SUBS	0.43678 0.0015	0.49822 0.0002	1.00000 0.0	-0.55647 0.0001	-0.56823 0.0001	-0.53471 0.0001	0.22334 0.1190	0.09601 0.5072
P_HH	-0.62244 0.0001	-0.27344 0.0547	-0.55647 0.0001	1.00000 0.0	0.98216 0.0001	0.90996 0.0001	-0.32359 0.0219	-0.15324 0.2880
P_HHPAS	-0.64935 0.0001	-0.29665 0.0364	-0.56823 0.0001	0.98216 0.0001	1.00000 0.0	0.91515 0.0001	-0.33485 0.0175	-0.17754 0.2174
P_MILES	-0.57801 0.0001	-0.23587 0.0991	-0.53471 0.0001	0.90996 0.0001	0.91515 0.0001	1.00000 0.0	-0.33205 0.0185	0.06707 0.6435
S2_PARTH	0.43969 0.0014	0.27740 0.0511	0.22334 0.1190	-0.32359 0.0219	-0.33485 0.0175	-0.33205 0.0185	1.00000 0.0	0.17406 0.2267
S2_PASMI	0.36072 0.0101	0.19357 0.1780	0.09601 0.5072	-0.15324 0.2880	-0.17754 0.2174	0.06707 0.6435	0.17406 0.2267	1.00000 0.0
S2_SUBMI	0.43532 0.0016	0.24999 0.0800	0.16235 0.2600	-0.25494 0.0740	-0.27478 0.0535	-0.04759 0.7428	0.19138 0.1831	0.93060 0.0001
S2_SUBSY	0.32254 0.0223	0.15132 0.2942	0.18950 0.1875	-0.34888 0.0130	-0.34819 0.0156	-0.36381 0.0096	0.12067 0.4039	0.04071 0.7789
S5_PASMI	0.30730 0.0299	0.19565 0.1733	-0.08775 0.5445	0.11583 0.4231	0.11115 0.4422	-0.01615 0.9114	0.14768 0.3061	0.34794 0.0133
S5_SUBMI	0.26347 0.0645	0.12921 0.3711	-0.17231 0.2315	0.14441 0.3171	0.13954 0.3338	0.07209 0.6189	0.03554 0.8064	0.34633 0.0137
S7_TLTV	0.31943 0.0237	0.47081 0.0006	0.14648 0.3101	-0.11453 0.4284	-0.16032 0.2661	-0.12166 0.4000	0.13253 0.3589	0.17408 0.2266
S7_TSAT	0.23571 0.0994	-0.20869 0.1458	-0.12239 0.3971	-0.13230 0.3597	-0.08279 0.5676	-0.00928 0.9490	-0.23413 0.1017	0.23088 0.1067
S7_TOTAC	0.27968 0.0492	-0.20009 0.1635	0.03843 0.7911	-0.32441 0.0215	-0.29277 0.0391	-0.22756 0.1120	-0.14719 0.3077	0.18266 0.2042

Correlation Analysis

Pearson Correlation Coefficients / Prob > |R| under Ho: Rho=0 / N = 50

	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
SIZE	0.43532 0.0016	0.32254 0.0223	0.30730 0.0299	0.26347 0.0645	0.31943 0.0237	0.23571 0.0994	0.27968 0.0492
INCOME	0.24999 0.0800	0.15132 0.2942	0.19565 0.1733	0.12921 0.3711	0.47081 0.0006	-0.20869 0.1458	-0.20009 0.1635
P_SUBS	0.16235 0.2600	0.18950 0.1875	-0.08775 0.5445	-0.17231 0.2315	0.14648 0.3101	-0.12239 0.3971	0.03843 0.7911
P_HH	-0.25494 0.0740	-0.34888 0.0130	0.11583 0.4231	0.14441 0.3171	-0.11453 0.4284	-0.13230 0.3597	-0.32441 0.0215
P_HHPAS	-0.27478 0.0535	-0.34019 0.0156	0.11115 0.4422	0.13954 0.3338	-0.16032 0.2661	-0.08279 0.5676	-0.29277 0.0391
P_MILES	-0.04759 0.7428	-0.36301 0.0096	-0.01615 0.9114	0.07209 0.6189	-0.12166 0.4000	-0.00928 0.9490	-0.22756 0.1120
S2_PARTM	0.19138 0.1831	0.12067 0.4039	0.14768 0.3061	0.03554 0.8064	0.13253 0.3589	-0.23413 0.1017	-0.14719 0.3077
S2_PASMI	0.93060 0.0001	0.04071 0.7789	0.34794 0.0133	0.34633 0.0137	0.17408 0.2266	0.23088 0.1067	0.18266 0.2042
S2_SUBMI	1.00000 0.0	0.38340 0.0060	0.30031 0.0341	0.49728 0.0002	0.10516 0.4673	0.23081 0.1068	0.15544 0.2811
S2_SUBSY	0.38340 0.0060	1.00000 0.0	0.05145 0.7227	0.53767 0.0001	-0.14147 0.3271	0.05817 0.6882	0.01274 0.9300
S5_PASMI	0.30031 0.0341	0.05145 0.7227	1.00000 0.0	0.70954 0.0001	0.12821 0.3749	0.09562 0.5089	0.01943 0.8935
S5_SUBMI	0.49728 0.0002	0.53767 0.0001	0.70954 0.0001	1.00000 0.0	0.00475 0.9739	0.16062 0.2652	-0.04744 0.7436
S7_TLTV	0.10516 0.4673	-0.14147 0.3271	0.12821 0.3749	0.00475 0.9739	1.00000 0.0	-0.00994 0.9454	0.08931 0.5374
S7_TSAT	0.23081 0.1068	0.05817 0.6882	0.09562 0.5089	0.16062 0.2652	-0.00994 0.9454	1.00000 0.0	0.74276 0.0001
S7_TOTAC	0.15544 0.2811	0.01274 0.9300	0.01943 0.8935	-0.04744 0.7436	0.08931 0.5374	0.74276 0.0001	1.00000 0.0

Correlation Analysis

Spearman Correlation Coefficients / Prob > |R| under Ho: Rho=0 / N = 50

	SIZE	INCOME	P_SUBS	P_HH	P_HHPAS	P_MILES	S2_PARTM	S2_PASMI
SIZE	1.00000 0.0	0.49857 0.0002	0.62594 0.0001	-0.62594 0.0001	-0.66522 0.0001	-0.60302 0.0001	0.43969 0.0014	0.44795 0.0011
INCOME	0.49857 0.0002	1.00000 0.0	0.21738 0.1294	-0.23110 0.1064	-0.26709 0.0608	-0.18459 0.1994	0.25022 0.0797	0.22368 0.1184
P_SUBS	0.62594 0.0001	0.21738 0.1294	1.00000 0.0	-0.97571 0.0001	-0.96255 0.0001	-0.94982 0.0001	0.33280 0.0182	0.09986 0.4902
P_HH	-0.62594 0.0001	-0.23110 0.1064	-0.97571 0.0001	1.00000 0.0	0.96205 0.0001	0.94183 0.0001	-0.33578 0.0171	-0.08187 0.5719
P_HHPAS	-0.66522 0.0001	-0.26709 0.0608	-0.96255 0.0001	0.96205 0.0001	1.00000 0.0	0.92958 0.0001	-0.33316 0.0181	-0.11793 0.4147
P_MILES	-0.60302 0.0001	-0.18459 0.1994	-0.94982 0.0001	0.94183 0.0001	0.92958 0.0001	1.00000 0.0	-0.34772 0.0133	-0.02504 0.8630
S2_PARTM	0.43969 0.0014	0.25022 0.0797	0.33280 0.0182	-0.33578 0.0171	-0.33316 0.0181	-0.34772 0.0133	1.00000 0.0	0.16825 0.2428
S2_PASMI	0.44795 0.0011	0.22368 0.1184	0.09986 0.4902	-0.08187 0.5719	-0.11793 0.4147	-0.02504 0.8630	0.16825 0.2428	1.00000 0.0
S2_SUBMI	0.52940 0.0001	0.23934 0.0941	0.34445 0.0143	-0.31765 0.0246	-0.32570 0.0210	-0.28580 0.0442	0.20629 0.1506	0.68873 0.0001
S2_SUBSY	0.34404 0.0144	0.14470 0.3161	0.37071 0.0080	-0.33137 0.0187	-0.30319 0.0323	-0.36174 0.0098	0.20337 0.1566	0.14939 0.3005
S5_PASMI	0.26255 0.0655	0.09679 0.5037	-0.11331 0.4333	0.15387 0.2860	0.12333 0.3935	0.01827 0.8998	0.08923 0.5377	0.56509 0.0001
S5_SUBMI	0.27378 0.0544	0.09155 0.5272	-0.10332 0.4752	0.10332 0.4752	0.09560 0.5090	0.00828 0.9545	0.05120 0.7240	0.39512 0.0045
S7_TLTV	0.24755 0.0830	0.26673 0.0611	0.17788 0.2165	-0.17754 0.2174	-0.23383 0.1022	-0.14501 0.3150	0.07811 0.5897	0.22835 0.1107
S7_TSAT	0.17732 0.2180	-0.22099 0.1230	0.05431 0.7080	-0.11696 0.4186	-0.06692 0.6443	0.00447 0.9754	-0.26099 0.0671	0.01401 0.9231
S7_TOTAC	0.34295 0.0148	-0.08944 0.5368	0.30582 0.0308	-0.33942 0.0159	-0.26857 0.0593	-0.24089 0.0920	-0.14791 0.3053	0.04404 0.7614

Correlation Analysis

Spearman Correlation Coefficients / Prob > |R| under Ho: Rho=0 / N = 50

	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
SIZE	0.52940 0.0001	0.34404 0.0144	0.26255 0.0655	0.27378 0.0544	0.24755 0.0830	0.17732 0.2180	0.34295 0.0148
INCOME	0.23934 0.0941	0.14470 0.3161	0.09679 0.5037	0.09155 0.5272	0.26673 0.0611	-0.22099 0.1230	-0.08944 0.5368
P_SUBS	0.34445 0.0143	0.37071 0.0080	-0.11331 0.4333	-0.10332 0.4752	0.17788 0.2165	0.05431 0.7080	0.30582 0.0308
P_HH	-0.31765 0.0246	-0.33137 0.0187	0.15387 0.2860	0.10332 0.4752	-0.17754 0.2174	-0.11696 0.4186	-0.33942 0.0159
P_HHPAS	-0.32570 0.0210	-0.30319 0.0323	0.12333 0.3935	0.09560 0.5090	-0.23383 0.1022	-0.06692 0.6443	-0.26857 0.0593
P_MILES	-0.28580 0.0442	-0.36174 0.0098	0.01827 0.8998	0.00828 0.9545	-0.14501 0.3150	0.00447 0.9754	-0.24089 0.0920
S2_PARTM	0.20629 0.1506	0.20337 0.1566	0.08923 0.5377	0.05120 0.7240	0.07811 0.5897	-0.26099 0.0671	-0.14791 0.3053
S2_PASMI	0.68873 0.0001	0.14939 0.3005	0.56509 0.0001	0.39512 0.0045	0.22835 0.1107	0.01401 0.9231	0.04404 0.7614
S2_SUBMI	1.00000 0.0	0.74051 0.0001	0.39815 0.0042	0.68857 0.0001	0.08908 0.5384	0.11736 0.4170	0.12505 0.3869
S2_SUBSY	0.74051 0.0001	1.00000 0.0	0.14399 0.3185	0.54669 0.0001	-0.15794 0.2733	-0.05608 0.6989	-0.05130 0.7235
S5_PASMI	0.39815 0.0042	0.14399 0.3185	1.00000 0.0	0.69604 0.0001	-0.01505 0.9174	0.02488 0.8638	-0.04427 0.7601
S5_SUBMI	0.68857 0.0001	0.54669 0.0001	0.69604 0.0001	1.00000 0.0	-0.07020 0.6281	0.18054 0.2096	0.08307 0.5663
S7_TLTV	0.08908 0.5384	-0.15794 0.2733	-0.01505 0.9174	-0.07020 0.6281	1.00000 0.0	-0.01949 0.8931	0.20557 0.1521
S7_TSAT	0.11736 0.4170	-0.05608 0.6989	0.02488 0.8638	0.18054 0.2096	-0.01949 0.8931	1.00000 0.0	0.81148 0.0001
S7_TOTAC	0.12505 0.3869	-0.05130 0.7235	-0.04427 0.7601	0.08307 0.5663	0.20557 0.1521	0.81148 0.0001	1.00000 0.0

The LOGISTIC Procedure

Data Set: WORK.COMP
Response Variable: SIZE
Response Levels: 2
Number of Observations: 50
Link Function: Logit

Response Profile

Ordered Value	SIZE	Count
1	Large	21
2	Small	29

Simple Statistics for Explanatory Variables

Variable	Mean	Standard Deviation	Minimum	Maximum
INCOME	25831	11344	10757.0	62183.0
S2_PARTM	0.660000	0.478518	0.0	1.0
S2_PASMI	68.344128	53.420198	16.5	391.8
S2_SUBSY	0.536898	0.181259	0.1	0.9
S5_PASUB	0.265908	0.346006	0.0	1.0
S7_TLTV	6.620000	3.713681	0.0	15.0
S7_TSAT	24.060000	6.554045	9.0	39.0
S7_TOTAC	42.620000	13.461798	0.0	66.0

Forward Selection Procedure

Step 0. Intercept entered:

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-0.3228	0.2865	1.2689	0.2600	.

Residual Chi-Square = 29.5161 with 8 DF (p=0.0003)

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
INCOME	11.4787	0.0007
S2_PARTM	9.6662	0.0019
S2_PASMI	6.5059	0.0108
S2_SUBSY	5.2017	0.0226
S5_PASUB	2.1974	0.1382
S7_TLTV	5.1017	0.0239
S7_TSAT	2.7779	0.0956
S7_TOTAC	3.9112	0.0480

Step 1. Variable INCOME entered:

Criteria for Assessing Model Fit

Criterion	Intercept Only	Intercept and Covariates	Chi-Square for Covariates
AIC	70.029	57.599	.
SC	71.941	61.423	.
-2 LOG L	68.029	53.599	14.430 with 1 DF (p=0.0001)
Score	.	.	11.479 with 1 DF (p=0.0007)

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-4.1038	1.3835	8.7978	0.0030	.
INCOME	0.000152	0.000056	7.3199	0.0068	0.952758

Association of Predicted Probabilities and Observed Responses

Concordant = 78.8%	Somers' D = 0.581
Discordant = 20.7%	Gamma = 0.584
Tied = 0.5%	Tau-a = 0.289
(609 pairs)	c = 0.791

Residual Chi-Square = 19.9646 with 7 DF (p=0.0056)

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
S2_PARTM	5.7589	0.0164
S2_PASMI	4.2639	0.0389
S2_SUBSY	3.5366	0.0600
S5_PASUB	1.2933	0.2554
S7_TLTV	0.6814	0.4091
S7_TSAT	7.1049	0.0077
S7_TOTAC	10.3531	0.0013

Step 2. Variable S7_TOTAC entered:

Criteria for Assessing Model Fit

Criterion	Intercept Only	Intercept and Covariates	Chi-Square for Covariates
AIC	70.029	47.976	.
SC	71.941	53.712	.
-2 LOG L	68.029	41.976	26.054 with 2 DF (p=0.0001)
Score	. .	.	18.825 with 2 DF (p=0.0001)

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-10.8447	3.2111	11.4060	0.0007	.
INCOME	0.000226	0.000069	10.6352	0.0011	1.413479
S7_TOTAC	0.1098	0.0389	7.9644	0.0048	0.814707

Association of Predicted Probabilities and Observed Responses

Concordant = 88.7%	Somers' D = 0.775
Discordant = 11.2%	Gamma = 0.776
Tied = 0.2%	Tau-a = 0.385
(609 pairs)	c = 0.888

Residual Chi-Square = 12.5786 with 6 DF (p=0.0502)

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
S2_PARTM	8.7024	0.0032
S2_PASMI	2.7869	0.0950
S2_SUBSY	5.2982	0.0213
S5_PASUB	0.1834	0.6685
S7_TLTV	0.0346	0.8523
S7_TSAT	0.3095	0.5780

Step 3. Variable S2_PARTM entered:

Criteria for Assessing Model Fit

Criterion	Intercept Only	Intercept and Covariates	Chi-Square for Covariates
AIC	70.029	40.507	.
SC	71.941	48.155	.
-2 LOG L	68.029	32.507	35.522 with 3 DF (p=0.0001)
Score	.	.	25.245 with 3 DF (p=0.0001)

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-14.0833	3.9271	12.8688	0.0003	.
INCOME	0.000218	0.000071	9.3250	0.0023	1.360470
S2_PARTM	3.0077	1.1557	6.7727	0.0093	0.793492
S7_TOTAC	0.1418	0.0473	8.9883	0.0027	1.052685

Association of Predicted Probabilities and Observed Responses

Concordant = 94.6% Somers' D = 0.893
Discordant = 5.3% Gamma = 0.895
Tied = 0.2% Tau-a = 0.444
(609 pairs) c = 0.947

Residual Chi-Square = 6.4705 with 5 DF (p=0.2631)

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
S2_PASMI	4.0414	0.0444
S2_SUBSY	1.8789	0.1705
S5_PASUB	0.0013	0.9711
S7_TLTV	0.3210	0.5710
S7_TSAT	2.0289	0.1543

Step 4. Variable S2_PASMI entered:

Criteria for Assessing Model Fit

Criterion	Intercept Only	Intercept and Covariates	Chi-Square for Covariates
AIC	70.029	32.358	.
SC	71.941	41.918	.
-2 LOG L	68.029	22.358	45.671 with 4 DF (p=0.0001)
Score	.	.	26.171 with 4 DF (p=0.0001)

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-26.6863	9.9148	7.2445	0.0071	.
INCOME	0.00031	0.000135	5.3049	0.0213	1.940146
S2_PARTM	3.6793	1.6236	5.1350	0.0234	0.970666
S2_PASMI	0.1104	0.0612	3.2529	0.0713	3.252285
S7_TOTAC	0.2221	0.0871	6.5045	0.0108	1.648033

Association of Predicted Probabilities and Observed Responses

Concordant = 96.7% Somers' D = 0.934
Discordant = 3.3% Gamma = 0.934
Tied = 0.0% Tau-a = 0.464
(609 pairs) c = 0.967

Residual Chi-Square = 0.7335 with 4 DF (p=0.9471)

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
S2_SUBSY	0.5155	0.4727
S5_PASUB	0.0006	0.9811
S7_TLTV	0.3729	0.5415
S7_TSAT	0.0144	0.9045

NOTE: No (additional) variables met the 0.1 significance level for entry into the model.

Summary of Forward Selection Procedure

Step	Variable Entered	Number In	Score Chi-Square	Pr > Chi-Square
1	INCOME	1	11.4787	0.0007
2	S7_TOTAC	2	10.3531	0.0013
3	S2_PARTM	3	8.7024	0.0032
4	S2_PASMI	4	4.0414	0.0444

Classification Table

		Predicted EVENT	Predicted NO EVENT	Total
Observed	EVENT	17	4	21
	NO EVENT	5	24	29
	Total	22	28	50

Sensitivity= 81.0% Specificity= 82.8% Correct= 82.0%
False Positive Rate= 22.7% False Negative Rate= 14.3%

NOTE: An EVENT is an outcome whose ordered response value is 1.

Predicted Probabilities and 95% confidence intervals

OBS	COMPTYPE	SIZE	PHAT	LCL	UCL	INCOME	P_SUBS	P_ASUBS	P_HH	P_HHPAS	P_MILES
1	Competitive	Event	0.99582	0.48386	0.99998	31949	1.000	1.00000	1.00000	1.00000	1.00000
2	Competitive	Non-Event	0.05209	0.00277	0.52079	17365	1.276	.	0.88416	0.82422	0.89032
3	Competitive	Event	0.98172	0.61319	0.99945	21647	1.682	0.61177	0.76471	0.80214	0.60606
4	Competitive	Non-Event	0.42619	0.06340	0.89871	17365	1.113	1.00000	0.90351	0.90351	0.72727
5	Competitive	Non-Event	0.12333	0.01554	0.55621	17012	9.870	0.06533	0.13287	0.13287	0.27273
6	Competitive	Non-Event	0.72576	0.27393	0.94889	20249	1.014	0.98830	0.65287	1.00059	0.96694
7	Competitive	Non-Event	0.18295	0.03213	0.60165	20249	1.077	0.94118	1.00000	1.00000	1.00000
8	Competitive	Event	0.99751	0.00940	1.00000	50401	1.000	.	1.00000	0.99993	1.00000
9	Competitive	Event	0.25015	0.04683	0.69573	19415	9.237	.	0.10881	0.11946	0.11602
10	Competitive	Non-Event	0.00886	0.00017	0.31412	17950	5.842	.	0.23957	0.23957	0.25595
11	Competitive	Non-Event	0.02007	0.00074	0.36107	20622	1.477	.	0.66463	0.66463	0.52976
12	Competitive	Non-Event	0.01018	0.00030	0.26084	20622	1.521	0.70000	0.34923	0.72917	0.60870
13	Competitive	Non-Event	0.00007	0.00000	0.10321	18393	1.000	.	1.00000	1.00000	0.30000
14	Competitive	Non-Event	0.55523	0.19517	0.86534	31007	1.000	.	1.00000	1.00000	1.00000
15	Competitive	Non-Event	0.02575	0.00068	0.50654	29107	1.000	.	1.00000	1.00000	1.00000
16	Competitive	Non-Event	0.57416	0.25918	0.83862	28460	15.942	.	0.06494	0.06000	0.10000
17	Competitive	Event	1.00000	0.32155	1.00000	24325	5.550	0.18003	0.19355	0.16830	0.82692
18	Competitive	Non-Event	0.44587	0.06666	0.90065	34125	1.000	1.00000	1.00000	1.00000	1.00000
19	Competitive	Non-Event	0.01861	0.00065	0.35475	20350	1.000	1.00000	1.00000	1.00000	1.00000
20	Competitive	Non-Event	0.04526	0.00227	0.49722	15959	1.282	.	0.67928	0.82445	0.59130
21	Competitive	Non-Event	0.15928	0.01253	0.73876	15959	1.000	.	1.00000	1.00000	1.00000
22	Competitive	Event	0.54277	0.23833	0.81830	26884	41.897	0.02057	0.02586	0.02406	0.01800
23	Competitive	Event	0.74717	0.40578	0.92748	29024	1.941	0.47284	0.52054	0.51654	0.50600
24	Competitive	Event	0.48173	0.13319	0.84901	25646	44.040	.	0.07237	0.07705	0.08434
25	Competitive	Non-Event	0.04036	0.00088	0.66664	25646	1.000	.	1.00000	1.00000	1.00000

OBS	S2_PARTM	S2_PASMI	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
1	1	87.719	49.862	0.56843	87.719	49.8623	4	25	40
2	1	44.813	19.961	0.44544	41.486	17.5652	7	26	44
3	1	58.934	22.285	0.37813	78.002	21.8650	5	39	62
4	0	57.473	28.891	0.50269	71.400	35.7080	8	32	66
5	0	57.473	28.891	0.50269	28.000	10.7333	8	32	59
6	1	55.711	38.512	0.69129	57.650	39.2650	6	29	52
7	0	58.621	24.683	0.42106	58.621	22.9103	11	28	56
8	1	121.000	75.000	0.61979	121.000	75.0000	15	29	0
9	1	61.418	23.952	0.38999	63.238	22.3492	7	25	41
10	1	42.810	22.048	0.51502	40.070	14.7442	0	23	36
11	1	42.810	22.048	0.51502	53.708	28.1798	0	23	36
12	0	41.739	20.000	0.47917	50.000	21.6000	0	32	50
13	1	30.000	14.100	0.47000	100.000	47.0000	5	11	20
14	1	50.857	27.000	0.53090	50.857	27.0000	7	21	36
15	0	66.667	17.667	0.26500	66.667	17.6667	6	18	30
16	1	50.667	27.633	0.54539	30.400	17.3333	7	23	40
17	1	391.792	215.631	0.55037	79.740	46.9814	7	36	65
18	1	26.055	11.334	0.43502	26.055	11.3345	7	19	42
19	0	40.000	11.533	0.28833	40.000	11.5333	13	25	54
20	1	49.435	28.896	0.58452	68.926	38.1176	7	26	43
21	0	85.246	15.328	0.17981	85.246	15.3279	7	27	48
22	1	46.134	41.394	0.89726	61.667	54.8889	6	23	45
23	1	46.134	41.394	0.89726	47.095	42.1542	6	23	45
24	1	63.247	49.611	0.78441	57.786	13.3571	3	18	36
25	0	82.609	61.739	0.74737	82.609	61.7391	1	20	29

Logistic Step 2 - Competitive

Predicted Probabilities and 95% confidence intervals

OBS	COMPTYPE	SIZE	PHAT	LCL	UCL	INCOME	P_SUBS	P_ASUBS	P_HH	P_HHPAS	P_MILES
26	Competitive	Non-Event	0.01245	0.00035	0.31408	19519	1.000	.	1.00000	1.00000	1.00000
27	Competitive	Non-Event	0.01041	0.00016	0.40229	20318	2.978	.	0.50441	0.58633	0.45455
28	Competitive	Non-Event	0.00536	0.00008	0.26988	19329	1.000	.	1.00000	1.00000	1.00000
29	Competitive	Non-Event	0.00010	0.00000	0.05074	19519	1.000	.	1.00000	1.00000	1.00000
30	Competitive	Non-Event	0.00492	0.00006	0.30355	19329	1.000	1.00000	1.00230	1.00230	1.00000
31	Competitive	Non-Event	0.10979	0.00596	0.71731	20318	1.000	0.74413	1.00000	1.00000	1.00000
32	Competitive	Event	0.99302	0.14437	0.99999	10757	31.643	0.04002	0.02877	0.02746	0.08484
33	Competitive	Event	1.00000	0.90319	1.00000	62183	37.723	0.02522	0.04307	0.04250	0.05019
34	Competitive	Event	1.00000	0.88535	1.00000	58989	16.758	0.04945	0.10222	0.10151	0.10790
35	Competitive	Event	1.00000	0.87816	1.00000	62183	150.192	0.00699	0.01111	0.01107	0.01601
36	Competitive	Event	0.99005	0.61840	0.99984	26402	33.085	0.03514	0.04203	0.04622	0.07111
37	Competitive	Event	0.99463	0.67170	0.99994	28406	4.719	0.23639	0.26897	0.18085	0.18444
38	Competitive	Non-Event	0.00319	0.00002	0.30471	19023	22.012	.	0.23434	0.24028	0.12371
39	Competitive	Non-Event	0.00002	0.00000	0.04475	19023	1.873	.	0.70000	0.68911	0.37500
40	Competitive	Event	0.82410	0.20656	0.98828	15725	4.585	0.21718	0.32740	0.37653	0.16000
41	Competitive	Event	0.99034	0.72302	0.99975	25671	6.417	0.15038	0.21468	0.24689	0.12791
42	Competitive	Event	0.18045	0.01112	0.52579	21424	35.658	0.03031	0.01357	0.01823	0.06824
43	Competitive	Event	0.77439	0.14688	0.98560	32466	16.269	0.17753	0.05817	0.07902	0.03647
44	Competitive	Non-Event	0.01818	0.00102	0.25141	18048	1.000	.	1.00000	1.00000	1.00000
45	Competitive	Non-Event	0.02593	0.00104	0.40592	22543	1.000	.	1.00000	1.00000	1.00000
46	Competitive	Non-Event	0.00363	0.00005	0.21139	20498	1.874	0.60000	0.50000	0.55253	0.34286
47	Competitive	Event	0.99207	0.69399	0.99986	36185	124.668	0.00802	0.02447	0.02447	0.03548
48	Competitive	Event	0.73422	0.24678	0.95884	36185	14.155	.	0.09948	0.10011	0.28000
49	Competitive	Event	1.00000	0.86260	1.00000	30161	1.363	0.73364	0.76682	0.76682	0.56291
50	Competitive	Non-Event	0.00187	0.00001	0.35312	28406	1.000	.	1.00000	1.00000	1.00000

OBS	S2_PARTN	S2_PASMI	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
26	1	45.538	18.000	0.39527	45.538	18.0000	3	20	34
27	1	71.818	25.182	0.35063	80.000	18.6000	8	9	19
28	1	62.500	5.000	0.08000	62.500	5.0000	8	11	22
29	0	46.667	24.167	0.51786	46.667	24.1667	2	19	28
30	0	87.000	68.400	0.78621	87.200	68.4000	1	15	26
31	0	85.200	63.400	0.74413	85.200	63.4000	0	29	40
32	1	114.438	67.512	0.58995	37.037	25.1481	8	27	54
33	1	96.008	58.075	0.60490	81.300	30.6750	12	18	41
34	1	96.008	58.075	0.60490	90.314	32.1163	12	18	41
35	1	119.419	71.768	0.60097	82.512	29.8372	11	18	38
36	1	75.289	57.209	0.75986	48.938	24.3750	12	24	50
37	1	75.289	57.209	0.75986	73.494	65.7229	12	24	50
38	1	30.505	19.062	0.62487	59.250	7.0000	5	20	36
39	0	31.563	29.375	0.93069	58.000	41.8333	8	19	30
40	1	57.505	38.006	0.66092	135.328	51.8110	4	32	60
41	1	57.505	38.006	0.66092	111.000	46.3018	4	32	60
42	0	49.020	21.297	0.43446	13.098	8.7529	7	30	56
43	0	49.020	21.297	0.43446	106.204	35.8925	7	30	56
44	0	52.286	26.186	0.50082	52.286	26.1857	4	33	51
45	1	61.909	13.182	0.21292	61.909	13.1818	6	14	25
46	0	36.714	18.529	0.50467	59.167	28.8333	6	31	48
47	1	59.938	33.583	0.56030	41.333	7.5926	5	24	45
48	1	37.471	21.044	0.56162	13.397	5.3095	8	20	39
49	1	142.689	54.848	0.38439	194.376	71.4824	13	28	63
50	0	16.539	6.202	0.37500	16.539	6.2022	12	25	44

The LOGISTIC Procedure

Simple Statistics for Explanatory Variables

Variable	Mean	Standard Deviation	Minimum	Maximum
ARIEPS	21.746973	3.778962	7.50000	41.8600
INCOME	27347	11511	9009.00	104523
LIN	10.143708	0.374470	9.10600	11.5570
LMS	3.939584	2.162477	0	7.09000
MSO	0.913514	0.281462	0	1.00000
P_ASUBS	0.297174	0.449853	0	3.42791
P_HM	0.612429	2.510618	0	47.4928
P_HMPAS	0.464221	0.421264	0.000411	1.50562
P_MILES	0.747599	5.207947	0	100.133
P_SUBS	75.104293	322.450521	0.955729	4157.38
PAO	0.249319	0.214405	0	1.38640
PNB	0.652534	0.114188	0.050000	1.00000
POPULATI	13121	15732	117.000	99420.0
PRM	0.169387	0.257040	0	2.40740
PTC	0.008799	0.067723	0	0.942400
PT2	0.583323	0.474419	0	1.18520
RSS	0.002541	0.005958	2.6E-6	0.055556
RTC	0.040709	0.018516	0.014270	0.136630
S2_AGEHE	10.608108	7.362134	0	41.0000
S2_ASUBS	8575.545946	21756	0	144419
S2_HH	47234	100269	0	548209
S2_HMPAS	40225	90426	65.0000	517182
S2_HMSUB	22354	52657	18.0000	379461
S2_MILES	460.491892	901.576266	0	5874.00
S2_MSDMU	259.262162	402.133759	0	1200.00
S2_PABOV	77.740541	26.260375	0	100.000
S2_PARTM	0.913514	0.281462	0	1.00000
S2_PASMI	66.374317	59.053401	11.9231	518.556
S2_PASUB	0.187449	0.309819	0	1.00000
S2_SUBMI	35.445108	25.524503	2.67213	194.900
S2_SUBSY	0.576252	0.196020	0.124197	1.00000
S2_BURY	0.129730	0.336461	0	1.00000
S5_ADDRS	2163.324324	10588	0	104106
S5_BURY	0.127027	0.333454	0	1.00000
S5_HEADA	10.470270	7.311159	0	41.0000
S5_HH	14743	53039	0	512713
S5_HMPAS	9973.929730	41226	6.00000	410172
S5_HMSUB	3876.740541	13754	3.00000	115818
S5_MILES	92.416216	306.552912	0	3877.00
S5_PABOV	79.456757	29.165067	0	100.000
S5_PASMI	65.732757	71.297914	0.438083	632.000
S5_PASUB	0.195252	0.323723	0	1.00000
S5_SUBFR	0.558949	0.232874	0.080274	1.81034
S5_SUBMI	32.534978	30.623393	0.175766	345.600
S6_FPAID	59726	268755	0	3056266
S7_FYACB	275.162162	1285.283102	0	18530.0
S7_FYARC	1080.572973	5494.988471	0	81533.0
S7_TDTV	2.689189	2.070084	0	12.0000
S7_TLTV	6.737838	3.337221	0	16.0000
S7_TDTAC	34.318919	13.633468	0	80.0000
S7_TSAT	17.686486	7.960545	0	50.0000

The LOGISTIC Procedure

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
ARIEPS	0.1116	0.0307	13.2395	0.0003	0.232421
INCOME	0.000086	0.000014	39.2845	0.0001	0.548260
LIN	2.4796	0.3697	44.9730	0.0001	0.511925
LMS	0.0508	0.0487	1.0891	0.2967	0.060617
MSO	0.9326	0.4226	4.8697	0.0273	0.144711
P_ASUBS	-1.7844	0.5851	9.3021	0.0023	-0.442557
P_HH	-2.6541	0.3133	71.7834	0.0001	-3.673682
P_HHPAS	-2.7165	0.3148	74.4518	0.0001	-0.630912
P_MILES	-2.7780	0.3217	74.5547	0.0001	-7.976328
P_SUBS	0.0114	0.00292	15.1567	0.0001	2.020327
PAO	1.3674	0.5084	7.2336	0.0072	0.161639
PNB	7.8143	1.2449	39.4040	0.0001	0.491950
POPULATI	0.000056	9.191E-6	37.4070	0.0001	0.487569
PRM	3.1733	0.5919	28.7398	0.0001	0.449703
PTC	0.9543	1.5948	0.3581	0.5496	0.035631
PT2	1.6093	0.2466	42.5794	0.0001	0.420926
RTC	-170.0	18.9850	80.2005	0.0001	-1.735642
S2_AGEHE	0.0342	0.0145	5.5952	0.0180	0.138968
S2_ASUBS	0.00123	0.000203	36.7099	0.0001	14.765240
S2_HH	0.000145	0.000018	64.1211	0.0001	8.003265
S2_HHPAS	0.000607	0.000088	47.9384	0.0001	30.241005
S2_MILES	0.0201	0.00239	70.6041	0.0001	9.978753
S2_MSONU	0.000166	0.00026	0.4096	0.5222	0.036844
S2_PABOV	-0.00695	0.00400	3.0146	0.0825	-0.100624
S2_PARTM	0.9326	0.4226	4.8697	0.0273	0.144711
S2_PASMI	0.0320	0.00450	50.5034	0.0001	1.042335
S2_PASUB	3.7262	0.5282	49.7734	0.0001	0.636483
S2_SUBMI	0.0743	0.00813	83.4742	0.0001	1.045488
S2_SUBSY	1.7668	0.5577	10.0357	0.0015	0.190936
S2BURY	-0.3114	0.3185	0.9560	0.3282	-0.057767
S5_ADDRS	0.00164	0.000358	20.9305	0.0001	9.552875
S5_BURY	-0.1702	0.3176	0.2871	0.5921	-0.031289
S5_HEADA	0.0367	0.0146	6.3069	0.0120	0.148122
S5_HH	0.000042	0.000013	10.9907	0.0009	1.224941
S5_HHPAS	0.000227	0.000045	24.8632	0.0001	5.150954
S5_HHSUB	0.000691	0.000111	38.9898	0.0001	5.240417
S5_MILES	0.00514	0.00141	13.3157	0.0003	0.869548
S5_PABOV	0.00251	0.00363	0.4783	0.4892	0.040400
S5_PASMI	0.0194	0.00331	34.5396	0.0001	0.763893
S5_PASUB	3.3185	0.4705	49.7574	0.0001	0.592284
S5_SUBFR	0.6966	0.4551	2.3429	0.1259	0.089437
S5_SUBMI	0.0421	0.00606	48.3918	0.0001	0.711575
S6_FPAID	0.000049	9.032E-6	29.9565	0.0001	7.324525
S7_FYACB	0.000816	0.000285	8.1642	0.0043	0.577892
S7_FYARC	0.00146	0.000328	19.7110	0.0001	4.413522
S7_TDTV	0.0273	0.0505	0.2912	0.5894	0.031111
S7_TLTV	0.2492	0.0388	41.2127	0.0001	0.458456
S7_TOTAC	0.1924	0.0202	90.3311	0.0001	1.445819
S7_TSAT	0.2479	0.0266	86.6843	0.0001	1.088149

The LOGISTIC Procedure

Data Set: WORK.NCOMP
Response Variable: SIZE
Response Levels: 2
Number of Observations: 366
Link Function: Logit

Response Profile

Ordered Value	SIZE	Count
1	Large	163
2	Small	203

WARNING: 1 observation(s) were deleted due to missing values for the response or explanatory variables.

Simple Statistics for Explanatory Variables

Variable	Mean	Standard Deviation	Minimum	Maximum
INCOME	27412	11549	9009.00	104523
S2_PARTM	0.918033	0.274690	0.00	1
S2_PASMI	66.667545	59.201183	11.92	519
S2_SUBSY	0.576286	0.196704	0.12	1
S5_PASUB	0.197586	0.324843	0.00	1
S7_TLTV	6.751366	3.345975	0.00	16
S7_TSAT	17.743169	7.976654	0.00	50
S7_TOTAC	34.612022	13.345042	11.00	80

Forward Selection Procedure

Step 0. Intercept entered:

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-0.2195	0.1052	4.3541	0.0369	.

Residual Chi-Square = 190.4656 with 8 DF (p=0.0001)

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
INCOME	45.5276	0.0001
S2_PARTM	4.2241	0.0399
S2_PASMI	56.4951	0.0001
S2_SUBSY	10.2740	0.0013
S5_PASUB	66.4270	0.0001
S7_TLTV	46.8779	0.0001
S7_TSAT	127.3907	0.0001
S7_TOTAC	166.5363	0.0001

Step 1. Variable S7_TOTAC entered:

Criteria for Assessing Model Fit

Criterion	Intercept Only	Intercept and Covariates	Chi-Square for Covariates
AIC	505.003	289.157	.
SC	508.906	296.962	.
-2 LOG L	503.003	285.157	217.847 with 1 DF (p=0.0001)
Score	.	.	166.536 with 1 DF (p=0.0001)

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-6.9436	0.7293	90.6601	0.0001	.
S7_TOTAC	0.1918	0.0202	90.0844	0.0001	1.411193

Association of Predicted Probabilities and Observed Responses

Concordant	= 90.9%	Somers' D	= 0.829
Discordant	= 8.0%	Gamma	= 0.839
Tied	= 1.1%	Tau-a	= 0.411
(33089 pairs)		c	= 0.915

Residual Chi-Square = 52.1216 with 7 DF (p=0.0001)

Logistic Regression - Step 2 - Non-Comp- Sm vs. Lg
elim totac=0

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
INCOME	4.8961	0.0269
S2_PARTM	2.1758	0.1402
S2_PASMI	17.1349	0.0001
S2_SUBSY	18.7102	0.0001
S5_PASUB	1.0469	0.3062
S7_TLTV	0.6150	0.4329
S7_TSAT	0.8317	0.3618

Step 2. Variable S2_SUBSY entered:

Criteria for Assessing Model Fit

Criterion	Intercept Only	Intercept and Covariates	Chi-Square for Covariates
AIC	505.003	271.735	.
SC	508.906	283.443	.
-2 LOG L	503.003	265.735	237.268 with 2 DF (p=0.0001)
Score	.	.	177.395 with 2 DF (p=0.0001)

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-9.8143	1.1245	76.1670	0.0001	.
S2_SUBSY	4.0609	0.9805	17.1542	0.0001	0.440403
S7_TOTAC	0.2001	0.0210	90.9819	0.0001	1.472370

Association of Predicted Probabilities and Observed Responses

Concordant = 91.9%		Somers' D = 0.838	
Discordant = 8.1%		Gamma = 0.839	
Tied = 0.1%		Tau-a = 0.415	
(33089 pairs)		c = 0.919	

Residual Chi-Square = 34.5515 with 6 DF (p=0.0001)

Logistic Regression - Step 2 - Non-Comp- Sm vs. Lg
elim totac=0

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
INCOME	3.2620	0.0709
S2_PARTM	2.3596	0.1245
S2_PASMI	24.9693	0.0001
S5_PASUB	0.8722	0.3503
S7_TLTV	0.0003	0.9860
S7_TSAT	0.8325	0.3615

Step 3. Variable S2_PASMI entered:

Criteria for Assessing Model Fit

Criterion	Intercept Only	Intercept and Covariates	Chi-Square for Covariates
AIC	505.003	245.069	.
SC	508.906	260.680	.
-2 LOG L	503.003	237.069	265.934 with 3 DF (p=0.0001)
Score	.	.	183.638 with 3 DF (p=0.0001)

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-11.6740	1.3071	79.7613	0.0001	.
S2_PASMI	0.0246	0.00483	26.0312	0.0001	0.803823
S2_SUBSY	5.5131	1.1085	24.7370	0.0001	0.597884
S7_TOTAC	0.1838	0.0214	73.8696	0.0001	1.351983

Association of Predicted Probabilities and Observed Responses

Concordant = 93.5%		Somers' D = 0.870	
Discordant = 6.5%		Gamma = 0.870	
Tied = 0.1%		Tau-a = 0.431	
(33089 pairs)		c = 0.935	

Residual Chi-Square = 9.1386 with 5 DF (p=0.1037)

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
INCOME	4.0038	0.0454
S2_PARTM	3.4132	0.0647
S5_PASUB	0.1005	0.7512
S7_TLTV	0.0621	0.8032
S7_TSAT	0.5465	0.4598

Step 4. Variable INCOME entered:

Criteria for Assessing Model Fit

Criterion	Intercept Only	Intercept and Covariates	Chi-Square for Covariates
AIC	505.003	242.678	.
SC	508.906	262.191	.
-2 LOG L	503.003	232.678	270.325 with 4 DF (p=0.0001)
Score	.	.	187.058 with 4 DF (p=0.0001)

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-12.2895	1.3905	78.1167	0.0001	.
INCOME	0.000037	0.000019	3.9059	0.0481	0.237638
S2_PASMI	0.0246	0.00484	25.7425	0.0001	0.802148
S2_SUBSY	5.4366	1.1204	23.5474	0.0001	0.589592
S7_TOTAC	0.1739	0.0219	63.0490	0.0001	1.279362

Association of Predicted Probabilities and Observed Responses

Concordant	= 93.7%	Somers' D	= 0.874
Discordant	= 6.3%	Gamma	= 0.874
Tied	= 0.1%	Tau-a	= 0.433
(33089 pairs)		c	= 0.937

Residual Chi-Square = 5.3226 with 4 DF (p=0.2558)

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
S2_PARTM	4.1297	0.0421
S5_PASUB	0.0971	0.7554
S7_TLTV	0.6690	0.4134
S7_TSAT	0.1356	0.7127

Step 5. Variable S2_PARTM entered:

Criteria for Assessing Model Fit

Criterion	Intercept Only	Intercept and Covariates	Chi-Square for Covariates
AIC	505.003	240.102	.
SC	508.906	263.518	.
-2 LOG L	503.003	228.102	274.902 with 5 DF (p=0.0001)
Score	.	.	188.593 with 5 DF (p=0.0001)

Analysis of Maximum Likelihood Estimates

Variable	Parameter Estimate	Standard Error	Wald Chi-Square	Pr > Chi-Square	Standardized Estimate
INTERCPT	-14.1465	1.7550	64.9775	0.0001	.
INCOME	0.00004	0.000019	4.7028	0.0301	0.257150
S2_PARTM	1.7633	0.8566	4.2372	0.0395	0.267040
S2_PASMI	0.0251	0.00486	26.6709	0.0001	0.819417
S2_SUBSY	5.5409	1.1303	24.0330	0.0001	0.600902
S7_TOTAC	0.1736	0.0220	62.2598	0.0001	1.277619

Association of Predicted Probabilities and Observed Responses

Concordant	= 93.8%	Somers' D	= 0.877
Discordant	= 6.1%	Gamma	= 0.878
Tied	= 0.0%	Tau-a	= 0.435
(33089 pairs)		c	= 0.939

Residual Chi-Square = 1.1295 with 3 DF (p=0.7699)

Logistic Regression - Step 2 - Non-Comp- Sm vs. Lg
elim totac=0

The LOGISTIC Procedure

Analysis of Variables Not in the Model

Variable	Score Chi-Square	Pr > Chi-Square
S5_PASUB	0.3190	0.5722
S7_TLTV	0.4829	0.4871
S7_TSAT	0.0709	0.7900

NOTE: No (additional) variables met the 0.1 significance level for entry into the model.

Summary of Forward Selection Procedure

Step	Variable Entered	Number In	Score Chi-Square	Pr > Chi-Square
1	S7_TOTAC	1	166.5	0.0001
2	S2_SUBSY	2	18.7102	0.0001
3	S2_PASMI	3	24.9693	0.0001
4	INCOME	4	4.0038	0.0454
5	S2_PARTM	5	4.1297	0.0421

Classification Table

		Predicted EVENT	Predicted NO EVENT	Total
Observed	EVENT	136	27	163
	NO EVENT	29	174	203
	Total	165	201	366

Sensitivity= 83.4% Specificity= 85.7% Correct= 84.7%
False Positive Rate= 17.6% False Negative Rate= 13.4%

NOTE: An EVENT is an outcome whose ordered response value is 1.

Logistic Step 2 - Non-Comp
Predicted Probabilities and 95% confidence intervals

OBS	COMPTYPE	SIZE	PHAT	LCL	UCL	INCOME	P_SUBS	P_MH	P_MHPAS	P_MILES	S2_PARTM
1	Non-Competitive	Non-Event	0.76719	0.59581	0.88048	20213	50.19	0.0401	0.03755	0.04306	1
2	Non-Competitive	Non-Event	0.40162	0.23185	0.59881	12204	1.32	0.7756	0.75723	0.76636	1
3	Non-Competitive	Non-Event	0.03366	0.01389	0.07933	9117	1.57	0.7283	0.72832	0.59091	1
4	Non-Competitive	Non-Event	0.00070	0.00014	0.00550	17303	1.00	1.0000	1.00000	1.00000	1
5	Non-Competitive	Non-Event	0.00749	0.00254	0.02186	16351	27.85	0.0359	0.03610	0.10811	1
6	Non-Competitive	Event	0.89106	0.49750	0.98542	10799	1.00	1.0000	1.00000	1.00000	0
7	Non-Competitive	Non-Event	0.28014	0.16666	0.43094	14084	1.08	0.9300	0.92500	0.93750	1
8	Non-Competitive	Non-Event	0.15316	0.08458	0.26146	15942	1.03	0.9730	0.97295	0.90909	1
9	Non-Competitive	Non-Event	0.03610	0.01703	0.07492	25304	1.00	1.0000	1.00000	1.00000	1
10	Non-Competitive	Non-Event	0.00065	0.00013	0.00332	13850	1.00	1.0000	1.00000	1.00000	1
11	Non-Competitive	Non-Event	0.00093	0.00019	0.00451	15672	1.00	1.0000	1.00000	1.00000	1
12	Non-Competitive	Non-Event	0.01046	0.00384	0.02818	15886	1.00	1.0000	1.00000	1.00000	1
13	Non-Competitive	Non-Event	0.00160	0.00035	0.00734	22404	1.00	1.0000	1.00000	1.00000	1
14	Non-Competitive	Non-Event	0.04587	0.02288	0.08984	19599	1.37	0.8000	0.80000	1.00000	1
15	Non-Competitive	Non-Event	0.04316	0.01444	0.12196	27746	1.05	0.9731	0.97314	0.97938	1
16	Non-Competitive	Event	0.82567	0.70913	0.90197	33263	1731.45	0.0079	0.00321	0.00275	1
17	Non-Competitive	Non-Event	0.00170	0.00041	0.00693	20354	1.00	47.4928	1.00000	1.00000	1
18	Non-Competitive	Event	0.46821	0.31415	0.62859	15929	63.66	0.0255	0.02339	0.02373	1
19	Non-Competitive	Event	0.75343	0.57802	0.87206	18514	12.53	0.1559	0.13203	0.08583	1
20	Non-Competitive	Event	0.79680	0.65400	0.89053	24690	74.59	0.0281	0.02827	0.08583	1
21	Non-Competitive	Non-Event	0.19795	0.07890	0.41557	23398	1.23	0.9218	0.92178	0.67797	1
22	Non-Competitive	Non-Event	0.01537	0.00610	0.03821	21250	5.68	0.1286	0.12857	0.10714	1
23	Non-Competitive	Non-Event	0.04897	0.02258	0.10295	19503	1.00	1.0000	1.00000	1.00000	1
24	Non-Competitive	Non-Event	0.07251	0.02838	0.17301	17509	1.00	1.0000	1.00000	1.00000	1
25	Non-Competitive	Event	0.97639	0.93080	0.99219	28291	1.11	0.9821	0.91736	0.79200	1

OBS	S2_PASMI	S2_PASUB	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_PASUB	S5_SUBFR	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
1	23.445	0.24647	21.3732	0.91163	20.444	0.23596	0.48370	9.8889	5	23	41
2	26.486	1.00000	22.7009	0.85709	26.171	1.00000	0.85881	22.4756	4	25	35
3	39.318	0.00000	26.0909	0.66358	48.462	0.00000	0.58095	28.1538	1	12	23
4	24.929	0.00000	7.7143	0.30946	24.929	0.00000	0.30946	7.7143	3	6	12
5	20.216	0.00000	9.7838	0.48396	6.750	0.00000	0.48148	3.2500	3	11	21
6	98.486	1.00000	36.4789	0.37040	98.486	1.00000	0.37040	36.4789	5	42	65
7	75.000	0.71405	55.8438	0.74458	74.000	0.71567	0.74459	55.1000	7	13	28
8	57.136	0.00000	43.8636	0.76770	61.150	0.00000	0.76370	46.7000	8	13	25
9	21.205	0.00000	12.9231	0.60943	21.205	0.00000	0.60943	12.9231	7	11	24
10	29.750	0.00000	8.9167	0.29972	29.750	0.00000	0.29972	8.9167	4	5	12
11	26.500	0.00000	7.2000	0.27170	26.500	0.00000	0.27170	7.2000	7	5	15
12	18.182	0.00000	10.1364	0.55750	18.182	0.00000	0.55750	10.1364	5	9	21
13	38.000	0.00000	9.0000	0.23684	38.000	0.00000	0.23684	9.0000	0	9	16
14	28.571	0.00000	17.1429	0.60000	22.857	0.00000	0.54875	12.5429	6	15	26
15	47.969	0.00000	9.1392	0.19052	47.663	0.00000	0.18717	8.9211	0	21	34
16	105.863	0.43644	47.2014	0.44587	123.615	0.16279	0.08027	9.9231	9	20	43
17	34.500	0.00000	13.9167	0.40338	34.500	0.00000	0.40338	13.9167	5	4	12
18	101.451	0.25919	48.3497	0.47658	100.000	0.26875	0.32000	32.0000	9	19	37
19	67.700	0.69683	28.9632	0.42782	104.143	0.62994	0.25865	26.9365	8	28	50
20	67.700	0.69683	28.9632	0.42782	22.302	0.83509	0.20285	4.5238	8	28	50
21	76.529	0.00000	11.3898	0.14883	104.050	0.00000	0.13114	13.6450	9	22	42
22	37.500	0.00000	22.3214	0.59524	45.000	0.00000	0.81481	36.6667	2	10	18
23	43.588	0.00000	18.2941	0.41970	43.588	0.00000	0.41970	18.2941	10	13	30
24	75.000	0.00000	18.1429	0.24190	75.000	0.00000	0.24190	18.1429	7	20	34
25	92.736	0.76533	34.1760	0.36853	107.414	0.76102	0.36162	38.8434	10	36	61

Logistic Step 2 - Non-Comp

Predicted Probabilities and 95% confidence intervals

OBS	COMPTYPE	SIZE	PHAT	LCL	UCL	INCOME	P_SUBS	P_HH	P_HHPAS	P_MILES	S2_PARTM
26	Non-Competitive	Event	0.99628	0.96317	0.99964	88539	2.34	0.35449	0.35449	0.48763	1
27	Non-Competitive	Event	0.89721	0.80654	0.94812	33280	7.38	0.16895	0.16463	0.25446	1
28	Non-Competitive	Event	0.99910	0.99258	0.99989	17436	1.30	0.81437	0.80639	0.86250	1
29	Non-Competitive	Event	0.99374	0.97555	0.99842	23617	1.07	0.93333	0.94916	0.93498	1
30	Non-Competitive	Event	0.49305	0.37802	0.60883	28482	73.66	0.01252	0.01314	0.00952	1
31	Non-Competitive	Non-Event	0.86442	0.67658	0.95105	54620	1.00	1.00000	1.00000	1.00000	1
32	Non-Competitive	Event	0.06457	0.02815	0.14125	34856	13.50	.	0.09895	0.07945	1
33	Non-Competitive	Event	0.99997	0.99852	1.00000	28939	2.12	0.54346	0.49667	1.66667	0
34	Non-Competitive	Non-Event	0.93011	0.83771	0.97168	37042	1.00	1.00000	1.00000	1.00000	1
35	Non-Competitive	Event	0.98241	0.94555	0.99446	26835	41.23	0.03890	0.03905	0.04435	1
36	Non-Competitive	Event	0.98691	0.95295	0.99645	24444	1.95	0.54382	0.54131	0.60599	1
37	Non-Competitive	Event	0.70924	0.23299	0.95143	23420	1.48	0.58712	0.67269	0.63590	0
38	Non-Competitive	Event	0.98494	0.93974	0.99637	53761	6.54	0.15321	0.15321	0.14844	1
39	Non-Competitive	Event	0.94968	0.86168	0.98281	22991	5.62	0.43328	0.43328	0.27734	1
40	Non-Competitive	Non-Event	0.25050	0.15371	0.38081	34823	6.06	0.61252	0.35791	0.66337	1
41	Non-Competitive	Event	0.99851	0.98974	0.99978	22083	3.17	0.23196	0.34770	0.52273	1
42	Non-Competitive	Event	0.99892	0.99257	0.99984	30078	1.46	0.76804	0.65230	0.47727	1
43	Non-Competitive	Non-Event	0.76748	0.50547	0.91423	21143	1.00	1.00000	1.00000	1.00000	1
44	Non-Competitive	Event	0.99266	0.97668	0.99771	29318	481.27	0.00248	0.00248	0.00219	1
45	Non-Competitive	Event	0.78097	0.64642	0.87428	24600	13.49	0.08254	0.08254	0.09388	1
46	Non-Competitive	Non-Event	0.05440	0.02493	0.11460	25833	1.00	1.00000	1.00000	1.00000	1
47	Non-Competitive	Event	0.98643	0.89382	0.99841	15322	1.01	0.98504	0.98491	0.98286	0
48	Non-Competitive	Non-Event	0.56607	0.37113	0.74251	46185	3.66	0.29042	0.29042	0.45000	1
49	Non-Competitive	Non-Event	0.02925	0.00965	0.08525	42255	2.13	0.87531	0.39363	0.69231	1
50	Non-Competitive	Event	0.95714	0.88366	0.98500	28836	1440.00	0.00150	0.00150	0.00204	1

OBS	S2_PASMI	S2_PASUB	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_PASUB	S5_SUBFR	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
26	79.519	0.67560	48.3905	0.60854	57.808	0.59081	0.73369	42.4130	15	26	52
27	96.317	0.17176	78.8571	0.81873	62.316	0.18018	0.67342	41.9649	14	14	36
28	265.344	0.94094	77.0825	0.29050	248.081	0.99910	0.27770	68.8928	15	22	60
29	186.326	0.00000	87.9571	0.47206	189.152	0.00000	0.46688	88.3102	15	27	53
30	83.126	0.65158	40.4057	0.48608	114.700	0.59375	0.50218	57.6000	10	19	37
31	72.123	0.00000	53.9077	0.74744	72.123	0.00000	0.74744	53.9077	11	16	35
32	43.803	0.00000	30.8575	0.70447	54.552	0.00000	0.52718	28.7586	8	7	19
33	471.492	0.00000	97.1825	0.20612	140.505	0.00000	0.19582	27.5143	10	15	60
34	117.213	0.64950	39.1475	0.33399	117.213	0.64950	0.33399	39.1475	16	21	50
35	160.677	0.99956	60.4583	0.37627	141.455	1.00000	0.23372	33.0606	14	21	53
36	170.594	0.99844	52.6933	0.30888	152.387	0.99871	0.29220	44.5267	14	16	56
37	217.267	1.00000	32.2974	0.14865	229.839	1.00000	0.14895	34.2339	16	20	45
38	116.750	1.00000	32.9453	0.28219	120.500	1.00000	0.28172	33.9474	15	24	57
39	116.750	1.00000	32.9453	0.28219	182.394	1.00000	0.11598	21.1549	15	24	57
40	38.950	0.11216	19.8614	0.50991	21.015	0.67976	0.23509	4.9403	11	14	35
41	245.443	0.27199	62.6705	0.25534	163.261	0.28736	0.23169	37.8261	7	39	60
42	245.443	0.27199	62.6705	0.25534	335.452	0.26498	0.26794	89.8810	7	39	60
43	182.036	1.00000	56.7857	0.31195	182.036	1.00000	0.31195	56.7857	4	22	37
44	144.315	0.88000	71.8529	0.49789	163.600	0.23754	0.41687	68.2000	9	31	56
45	125.306	0.00631	69.8857	0.55772	110.174	0.01103	0.50079	55.1739	7	20	37
46	48.571	0.00000	36.2857	0.74706	48.571	0.00000	0.74706	36.2857	5	8	18
47	189.388	0.49447	78.3927	0.41393	189.784	0.49487	0.41440	78.6470	10	32	62
48	50.100	0.00000	32.7500	0.65369	32.333	0.00000	0.61512	19.8889	8	18	34
49	22.962	0.00000	12.2308	0.53266	13.056	0.00000	0.63404	8.2778	0	19	21
50	31.319	0.00000	17.6327	0.56299	23.000	0.00000	0.26087	6.0000	9	17	60

Logistic Step 2 - Non-Comp

Predicted Probabilities and 95% confidence intervals

OBS	COMPTYPE	SIZE	PHAT	LCL	UCL	INCOME	P_SUBS	P_HH	P_HHPAS	P_MILES	S2_PARTM
51	Non-Competitive	Event	0.96129	0.89419	0.98648	31466	691.200	0.00639	0.00639	0.00306	1
52	Non-Competitive	Non-Event	0.17343	0.10211	0.27988	18489	1.313	0.67382	0.67382	0.53279	1
53	Non-Competitive	Event	0.98797	0.94523	0.99745	65092	4.218	0.61126	0.20347	0.30635	1
54	Non-Competitive	Event	0.52538	0.39901	0.64858	22188	10.486	0.09232	0.08629	0.07730	1
55	Non-Competitive	Event	0.87903	0.76106	0.94311	21482	39.821	0.03305	0.02779	0.02695	1
56	Non-Competitive	Event	0.98613	0.96484	0.99460	31283	60.369	0.01674	0.01847	0.05510	1
57	Non-Competitive	Event	0.86688	0.79349	0.91692	30637	6.783	0.09663	0.09663	0.12420	1
58	Non-Competitive	Event	0.95551	0.90601	0.97952	31345	24.535	0.09854	0.09830	0.09768	1
59	Non-Competitive	Event	0.94332	0.88029	0.97413	38398	9.439	0.10386	0.10979	0.07214	1
60	Non-Competitive	Event	0.92553	0.86307	0.96079	34243	7.254	0.45928	0.10343	0.19293	1
61	Non-Competitive	Event	0.98713	0.92808	0.99781	9635	1.000	1.00000	1.00000	1.00000	1
62	Non-Competitive	Event	0.50310	0.16367	0.83970	27237	65.869	0.10000	0.01297	0.01882	0
63	Non-Competitive	Event	0.79699	0.34426	0.96706	65092	1.227	2.16951	0.80288	0.86951	0
64	Non-Competitive	Event	0.84413	0.74051	0.91133	19545	64.445	0.03115	0.02612	0.05737	1
65	Non-Competitive	Event	0.94544	0.86290	0.97947	21482	1.319	0.84545	0.80790	0.85846	1
66	Non-Competitive	Event	0.92306	0.84095	0.96457	33877	7.156	0.13102	0.12928	0.12769	1
67	Non-Competitive	Event	0.89594	0.81390	0.94429	26574	1.918	0.93784	0.48985	1.00000	1
68	Non-Competitive	Non-Event	0.91808	0.79482	0.97008	40110	1.000	1.00183	1.00000	1.00000	1
69	Non-Competitive	Event	0.95873	0.91167	0.98123	26397	116.884	0.02400	0.02417	0.01658	1
70	Non-Competitive	Event	0.25259	0.16477	0.36668	31488	71.756	0.09878	0.01898	0.06615	1
71	Non-Competitive	Event	0.47311	0.36149	0.58749	21691	2.723	0.56717	0.39051	0.57203	1
72	Non-Competitive	Non-Event	0.95196	0.88112	0.98148	39896	2.797	0.24615	0.64082	0.54545	1
73	Non-Competitive	Non-Event	0.66214	0.52693	0.77519	25991	67.913	0.01468	0.01468	0.02317	1
74	Non-Competitive	Non-Event	0.93178	0.63436	0.99079	23886	1.000	1.00000	1.00000	1.00000	0
75	Non-Competitive	Non-Event	0.00607	0.00194	0.01880	12147	4.088	0.49645	0.49645	0.41667	1

OBS	S2_PASMI	S2_PASUB	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_PASUB	S5_SUBFR	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
51	31.319	0.00000	17.633	0.56299	65.333	0.00000	0.12755	8.333	9	17	60
52	31.713	0.00000	17.328	0.54639	40.108	0.00000	0.61757	24.769	8	21	36
53	109.291	0.25056	64.252	0.58790	72.588	0.24999	0.68502	49.724	11	24	47
54	59.224	0.07579	30.021	0.50691	66.110	0.00000	0.56023	37.037	8	26	42
55	59.224	0.07579	30.021	0.50691	61.079	0.39229	0.45799	27.974	8	30	53
56	88.638	0.26150	60.492	0.68246	29.704	0.21385	0.61222	18.185	11	30	54
57	87.651	0.27882	53.029	0.60500	68.195	0.29462	0.92307	62.949	6	27	43
58	94.519	0.43515	47.450	0.50201	95.115	0.81577	0.20815	19.799	10	27	52
59	45.335	0.01042	29.866	0.65877	69.000	0.00805	0.63569	43.863	7	32	51
60	63.707	0.15016	39.231	0.61581	34.153	0.19063	0.82074	28.031	9	30	49
61	230.245	0.41165	56.110	0.24370	230.245	0.41165	0.24370	56.110	8	33	53
62	78.141	0.37440	60.992	0.78055	53.867	0.07317	0.91337	49.200	6	21	39
63	78.141	0.37440	60.992	0.78055	72.153	0.41534	0.79209	57.152	6	21	38
64	81.802	0.19323	47.859	0.58506	37.250	0.25000	0.34750	12.944	10	24	46
65	72.591	0.26107	32.411	0.44649	68.315	0.28809	0.41886	28.615	8	40	58
66	72.591	0.26107	32.411	0.44649	73.494	0.27174	0.48262	35.470	8	37	53
67	57.792	0.00000	34.729	0.60092	28.309	0.00000	0.63957	18.106	14	28	50
68	39.923	1.00000	16.426	0.41143	39.923	1.00000	0.41143	16.426	11	36	57
69	65.740	0.44746	44.878	0.68266	95.840	0.71330	0.24165	23.160	5	29	52
70	62.745	0.86400	42.612	0.67914	18.080	0.32902	0.49871	8.977	6	18	27
71	46.593	0.00000	27.614	0.59267	31.807	0.00000	0.55729	17.726	4	24	40
72	63.555	0.59994	27.973	0.44814	74.667	0.65000	0.24554	18.333	8	33	56
73	24.456	0.00000	18.093	0.73982	15.500	0.00000	0.74194	11.500	7	23	42
74	80.048	0.00000	26.075	0.32574	80.048	0.00000	0.32574	26.075	10	50	69
75	23.500	0.00000	11.583	0.49291	28.000	0.00000	0.24286	6.800	5	10	20

Logistic Step 2 - Non-Comp

Predicted Probabilities and 95% confidence intervals

OBS	COMPTYPE	SIZE	PHAT	LCL	UCL	INCOME	P_SUBS	P_HH	P_HHPAS	P_MILES	S2_PARTM
76	Non-Competitive	Event	0.76840	0.61679	0.87243	32419	39.521	0.02933	0.03157	0.03044	1
77	Non-Competitive	Event	0.91664	0.83591	0.95957	23594	161.566	0.00778	0.00718	0.01478	1
78	Non-Competitive	Event	0.67857	0.57721	0.76550	22808	23.200	0.04095	0.04095	0.03041	1
79	Non-Competitive	Non-Event	0.59704	0.38015	0.78163	21071	1.000	1.00000	1.00000	1.00000	1
80	Non-Competitive	Event	0.67302	0.55063	0.77565	37301	246.922	0.00308	0.00309	0.01402	1
81	Non-Competitive	Event	0.81206	0.72978	0.87362	26025	1.210	0.84692	0.81341	0.64621	1
82	Non-Competitive	Non-Event	0.00360	0.00093	0.01378	23281	1.000	1.00000	1.00000	1.00000	1
83	Non-Competitive	Non-Event	0.60974	0.46746	0.73552	18421	3.336	0.30014	0.30014	0.33333	1
84	Non-Competitive	Event	0.98153	0.94452	0.99401	51861	15.658	0.06005	0.06212	0.08255	1
85	Non-Competitive	Event	0.57053	0.47809	0.65829	27200	4.073	0.18891	0.18891	0.10823	1
86	Non-Competitive	Event	0.99221	0.97374	0.99772	46286	6.873	0.15876	0.15876	0.13391	1
87	Non-Competitive	Event	0.99864	0.99412	0.99969	40921	1.226	0.86867	1.23347	0.72727	1
88	Non-Competitive	Non-Event	0.05495	0.01906	0.14823	11609	2.301	0.43493	0.43493	0.51563	1
89	Non-Competitive	Non-Event	0.28079	0.20742	0.36805	25278	21.388	0.04185	0.04185	0.03333	1
90	Non-Competitive	Non-Event	0.04856	0.02471	0.09324	23289	2.095	0.44990	0.44990	0.35294	1
91	Non-Competitive	Event	0.99999	0.99965	1.00000	38059	1.911	0.49334	0.50493	0.49553	1
92	Non-Competitive	Non-Event	0.01740	0.00239	0.11578	17239	1.000	1.00000	1.00000	1.00000	0
93	Non-Competitive	Non-Event	0.00239	0.00032	0.01759	26750	17.221	0.10987	0.06038	0.03750	0
94	Non-Competitive	Non-Event	0.00247	0.00033	0.01815	27596	19.517	0.05519	0.05876	0.07500	0
95	Non-Competitive	Non-Event	0.02080	0.00878	0.04849	22326	1.000	1.00000	1.00000	1.00000	1
96	Non-Competitive	Event	0.98287	0.95252	0.99394	46768	48.716	0.01954	0.01882	0.04098	1
97	Non-Competitive	Event	0.97348	0.93970	0.98857	35712	30.674	0.03089	0.03035	0.01418	1
98	Non-Competitive	Event	0.99682	0.98104	0.99947	69487	21.573	0.04498	0.04532	0.00853	1
99	Non-Competitive	Non-Event	0.07961	0.04097	0.14904	24028	2.464	0.43467	0.43467	0.19048	1
100	Non-Competitive	Non-Event	0.75791	0.30213	0.95770	79949	4.904	0.18018	0.18018	0.17647	1

OBS	S2_PASMI	S2_PASUB	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_PASUB	S5_SUBFR	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
76	109.426	0.17437	81.820	0.74772	113.462	0.40385	0.59932	68.000	7	14	31
77	124.167	0.39659	84.365	0.67944	60.333	0.63208	0.58564	35.333	4	21	40
78	70.943	0.00199	42.363	0.59715	95.556	0.00000	0.62849	60.056	4	23	41
79	82.500	0.00000	79.500	0.96364	82.500	0.00000	0.96364	79.500	0	17	26
80	67.287	0.00000	44.423	0.66020	14.833	0.00000	0.86517	12.833	5	21	36
81	82.711	0.50632	53.733	0.64964	104.112	0.49549	0.65996	68.709	4	25	41
82	39.143	0.00000	10.857	0.27737	39.143	0.00000	0.27737	10.857	0	11	19
83	45.705	0.00000	35.795	0.78317	41.154	0.00000	0.78224	32.192	6	22	38
84	68.408	0.27988	45.536	0.66565	51.472	0.60686	0.68438	35.226	10	23	51
85	49.909	0.00000	31.918	0.63952	87.120	0.00000	0.83104	72.400	8	20	39
86	87.669	0.19211	43.364	0.49463	103.939	0.09466	0.45331	47.116	12	27	60
87	151.805	0.67801	80.123	0.52780	257.464	0.65021	0.34908	89.875	11	30	61
88	88.844	0.00000	20.563	0.23145	74.939	0.00000	0.23130	17.333	7	18	32
89	51.767	0.00000	34.933	0.67482	65.000	0.00000	0.75385	49.000	6	17	31
90	29.941	0.00000	18.235	0.60904	38.167	0.00000	0.64629	24.667	5	12	25
91	412.044	1.00000	116.779	0.28341	421.558	1.00000	0.29374	123.827	11	28	61
92	144.000	1.00000	56.000	0.38889	144.000	1.00000	0.38889	56.000	5	12	21
93	23.188	0.00000	14.638	0.63127	37.333	0.00000	0.60714	22.667	4	9	17
94	23.188	0.00000	14.638	0.63127	18.167	0.00000	0.55046	10.000	4	9	17
95	31.250	0.00000	20.000	0.64000	31.250	0.00000	0.64000	20.000	3	9	19
96	77.359	1.00000	47.449	0.61336	35.538	1.00000	0.66885	23.769	13	24	53
97	77.359	1.00000	47.449	0.61336	165.500	1.00000	0.65895	109.056	13	24	53
98	118.894	0.04782	63.561	0.53460	632.000	0.03733	0.54684	345.600	12	27	54
99	35.714	0.00000	16.190	0.45333	81.500	0.00000	0.42331	34.500	8	18	32
100	24.747	0.00000	15.288	0.61778	25.267	0.00000	0.69921	17.667	9	20	36

Logistic Step 2 - Non-Comp

Predicted Probabilities and 95% confidence intervals

OBS	COMPTYPE	SIZE	PHAT	LCL	UCL	INCOME	P_SUBS	P_HH	P_HHPAS	P_MILES	S2_PARTM
101	Non-Competitive	Non-Event	0.00021	0.00002	0.00239	9009	1.000	1.00000	1.00000	1.00000	0
102	Non-Competitive	Non-Event	0.02842	0.01166	0.06761	30848	1.000	1.00000	1.00000	1.00000	1
103	Non-Competitive	Non-Event	0.72928	0.27180	0.95108	34583	1.000	1.00000	1.00000	1.00000	1
104	Non-Competitive	Event	0.39025	0.29470	0.49503	28286	1.390	0.41549	0.74043	0.51042	1
105	Non-Competitive	Event	0.50657	0.42004	0.59271	25093	10.066	0.08558	0.08795	0.11561	1
106	Non-Competitive	Event	0.95072	0.89754	0.97700	35121	11.614	0.08110	0.08587	0.09155	1
107	Non-Competitive	Non-Event	0.30761	0.21341	0.42112	30091	2.463	0.50811	0.50811	0.65116	1
108	Non-Competitive	Event	0.33119	0.23301	0.44664	28804	251.632	0.00457	0.00456	0.00695	1
109	Non-Competitive	Non-Event	0.50151	0.39517	0.60771	28460	11.643	0.08442	0.08184	0.06667	1
110	Non-Competitive	Non-Event	0.13353	0.08127	0.21164	28957	2.078	0.37825	0.44046	0.47170	1
111	Non-Competitive	Non-Event	0.23035	0.15959	0.32051	26657	4.669	.	0.19793	0.35294	1
112	Non-Competitive	Event	0.62886	0.52326	0.72344	26718	1.000	1.00000	1.00000	1.00000	1
113	Non-Competitive	Non-Event	0.02784	0.01111	0.06804	29940	2.379	0.42410	0.42410	0.61538	1
114	Non-Competitive	Non-Event	0.13189	0.07616	0.21876	18648	1.000	1.00000	1.00000	1.00000	1
115	Non-Competitive	Non-Event	0.35726	0.25909	0.46908	29205	2.130	0.43729	0.46347	0.50000	1
116	Non-Competitive	Non-Event	0.02931	0.01293	0.06504	17917	1.000	1.40496	1.00000	1.00000	1
117	Non-Competitive	Non-Event	0.02223	0.00882	0.05491	15290	0.961	1.00000	1.00000	1.00000	1
118	Non-Competitive	Non-Event	0.00964	0.00149	0.05961	21750	14.356	0.08000	0.08000	0.20588	0
119	Non-Competitive	Non-Event	0.00083	0.00015	0.00467	28238	1.000	1.00000	1.00000	1.00000	1
120	Non-Competitive	Non-Event	0.00530	0.00161	0.01731	16587	1.000	1.00000	1.00000	1.00000	1
121	Non-Competitive	Non-Event	0.03861	0.00583	0.21576	21534	1.000	1.00000	1.00000	1.00000	0
122	Non-Competitive	Event	0.25501	0.12934	0.44095	12374	4.198	0.23637	0.23883	0.31700	1
123	Non-Competitive	Event	0.91004	0.84104	0.95084	35619	842.219	0.00088	0.00104	0.00105	1
124	Non-Competitive	Non-Event	0.15274	0.09110	0.24485	20559	24.294	0.03518	0.03518	0.44444	1
125	Non-Competitive	Non-Event	0.04023	0.01619	0.09648	11413	1.610	0.59963	0.59963	0.60000	1

OBS	S2_PASMI	S2_PASUB	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_PASUB	S5_SUBFR	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
101	50.625	1.00000	11.3750	0.22469	50.625	1.00000	0.22469	11.375	6	5	16
102	44.000	0.00000	22.6667	0.51515	44.000	0.00000	0.51515	22.667	4	14	21
103	258.500	0.00000	94.0000	0.36364	258.500	0.00000	0.36364	94.000	4	13	20
104	43.141	0.36983	32.3490	0.74985	62.582	0.44618	0.72868	45.602	6	16	32
105	55.665	0.00000	35.9017	0.64496	42.350	0.00000	0.72845	30.850	5	25	37
106	77.599	1.00000	41.2668	0.53179	72.786	1.00000	0.53323	38.812	11	28	52
107	53.424	0.00000	26.6512	0.49886	41.688	0.00000	0.39859	16.616	7	20	36
108	82.882	0.24654	45.6718	0.55104	54.400	0.00000	0.47978	26.100	5	19	31
109	50.667	0.00000	27.6333	0.54539	62.200	0.00000	0.57235	35.600	7	23	40
110	37.396	0.00000	21.5660	0.57669	34.920	0.00000	0.63001	22.000	5	15	30
111	34.176	0.00000	23.8039	0.69650	19.167	0.00000	0.75362	14.444	9	16	31
112	71.504	0.00000	53.3277	0.74580	71.504	0.00000	0.74580	53.328	7	18	34
113	49.154	0.00000	21.2308	0.43192	33.875	0.00000	0.42804	14.500	8	11	23
114	64.148	0.00000	43.9259	0.68476	64.148	0.00000	0.68476	43.926	6	0	25
115	65.234	0.00000	46.4219	0.71162	60.469	0.00000	0.72093	43.594	10	13	29
116	22.667	0.00000	16.1333	0.71176	22.667	0.00000	0.71176	16.133	5	10	21
117	60.727	0.00000	27.0000	0.44461	60.727	0.00000	0.46257	28.091	4	0	23
118	26.471	0.00000	19.0000	0.71778	10.286	0.00000	0.62500	6.429	4	15	23
119	43.400	0.00000	9.0000	0.20737	43.400	0.00000	0.20737	9.000	4	5	11
120	50.000	0.00000	20.5000	0.41000	50.000	0.00000	0.41000	20.500	6	8	17
121	60.000	0.00000	58.8000	0.98000	60.000	0.00000	0.98000	58.800	0	7	18
122	24.000	0.06950	21.6550	0.90229	18.082	1.00000	0.90003	16.274	5	19	30
123	98.562	0.12231	62.1018	0.63008	97.667	0.22381	0.71672	70.000	8	24	42
124	66.333	0.00000	45.8889	0.69179	5.250	0.00000	0.80952	4.250	6	13	25
125	21.680	0.00000	17.8400	0.82288	21.667	0.00000	0.85231	18.467	4	10	21

Logistic Step 2 - Non-Comp

Predicted Probabilities and 95% confidence intervals

OBS	COMPTYPE	SIZE	PHAT	LCL	UCL	INCOME	P_SUBS	P_HH	P_HHPAS	P_MILES	S2_PARTH
126	Non-Competitive	Non-Event	0.12754	0.07043	0.22000	19022	1.90	0.53919	0.53919	0.54902	1
127	Non-Competitive	Non-Event	0.48598	0.27059	0.70671	13296	2.37	.	0.43889	0.42424	1
128	Non-Competitive	Event	0.76300	0.62609	0.86092	18882	574.04	0.00225	0.00227	0.01266	1
129	Non-Competitive	Event	0.99106	0.97312	0.99706	38618	2.32	0.44289	0.45497	0.29603	1
130	Non-Competitive	Event	0.96278	0.91310	0.98454	40206	5.29	0.19118	0.18987	0.23577	1
131	Non-Competitive	Event	0.32528	0.19717	0.48623	26477	2.00	.	0.51067	0.56212	1
132	Non-Competitive	Event	0.32993	0.20071	0.49122	27800	88.46	0.00852	0.01010	0.00611	1
133	Non-Competitive	Event	0.85524	0.77295	0.91114	35329	114.97	0.46848	0.01087	0.01829	1
134	Non-Competitive	Event	0.80954	0.72625	0.87166	27143	26.29	0.40510	0.03410	0.16463	1
135	Non-Competitive	Event	0.87146	0.77055	0.93191	21746	6.85	0.18124	0.18179	0.08077	1
136	Non-Competitive	Event	0.81025	0.71588	0.87859	27833	81.96	0.01608	0.01577	0.02535	1
137	Non-Competitive	Non-Event	0.01411	0.00475	0.04109	19792	1.00	1.00000	1.00000	1.00000	1
138	Non-Competitive	Event	0.99314	0.97991	0.99768	36526	5.85	0.15745	0.15962	0.11064	1
139	Non-Competitive	Event	0.82176	0.68885	0.90567	15877	11.41	0.21667	0.16721	0.06285	1
140	Non-Competitive	Event	0.52779	0.42194	0.63120	28634	11.80	0.08929	0.08889	0.08434	1
141	Non-Competitive	Non-Event	0.04402	0.01941	0.09677	14727	1.10	0.75250	0.90669	0.91837	1
142	Non-Competitive	Non-Event	0.15220	0.08725	0.25215	33147	5.37	0.17687	0.17687	0.21739	1
143	Non-Competitive	Non-Event	0.13419	0.08364	0.20834	21500	7.67	.	0.12784	0.12409	1
144	Non-Competitive	Event	0.94396	0.88943	0.97243	32049	57.19	0.01868	0.02034	0.02038	1
145	Non-Competitive	Non-Event	0.91922	0.68022	0.98384	13970	1.00	1.00000	1.00000	1.00000	1
146	Non-Competitive	Event	0.98709	0.90135	0.99844	23256	1.00	1.00000	1.00000	1.00000	0
147	Non-Competitive	Non-Event	0.24900	0.15150	0.38106	36557	1.57	0.21769	0.53988	0.23077	1
148	Non-Competitive	Non-Event	0.07656	0.04105	0.13835	19762	278.85	0.27635	0.00299	0.08599	1
149	Non-Competitive	Non-Event	0.15400	0.09169	0.24715	30824	15.68	0.17019	0.06974	0.06061	1
150	Non-Competitive	Non-Event	0.16213	0.08325	0.29197	38597	14.22	.	0.05450	0.12230	1

OBS	S2_PASMI	S2_PASUB	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_PASUB	S5_SUBFR	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
126	35.275	0.00000	17.373	0.49250	34.643	0.00000	0.48144	16.679	11	16	35
127	17.768	0.00000	17.444	0.98181	18.381	0.00000	0.94430	17.357	10	17	34
128	111.291	0.02090	65.397	0.58762	20.000	0.00000	0.45000	9.000	7	24	39
129	56.274	1.00000	46.397	0.82448	86.488	1.00000	0.78173	67.610	13	25	55
130	42.134	0.50000	32.488	0.77106	33.931	0.50232	0.76778	26.052	8	26	50
131	39.511	0.00000	16.395	0.41495	35.895	0.00000	0.40638	14.587	11	22	42
132	39.511	0.00000	16.395	0.41495	65.333	0.00000	0.46429	30.333	11	22	42
133	65.628	0.15942	46.970	0.71569	39.000	0.28358	0.57265	22.333	9	22	41
134	65.628	0.15942	46.970	0.71569	13.593	0.03413	0.79837	10.852	9	22	41
135	48.323	0.00000	38.300	0.79258	108.762	0.00000	0.63660	69.238	1	32	45
136	90.535	0.00000	65.569	0.72424	56.333	0.00000	0.56016	31.556	4	21	37
137	11.923	0.00000	4.308	0.36129	11.923	0.00000	0.36129	4.308	4	20	29
138	113.518	0.69253	71.349	0.62853	163.769	0.66558	0.67301	110.218	10	25	55
139	99.778	0.00000	53.144	0.53262	265.471	0.00000	0.27919	74.118	9	22	45
140	40.663	0.00998	24.741	0.60844	42.857	0.01086	0.58000	24.857	6	18	40
141	58.612	0.00000	25.143	0.42897	57.867	0.00000	0.42896	24.822	7	15	28
142	51.130	0.00000	26.152	0.51148	41.600	0.00000	0.53846	22.400	5	2	30
143	40.825	0.00000	23.891	0.58520	42.059	0.00000	0.59720	25.118	8	2	31
144	60.243	0.53221	38.536	0.63968	60.125	0.47448	0.54990	33.063	7	26	51
145	240.000	0.00000	62.950	0.26229	240.000	0.00000	0.26229	62.950	9	17	39
146	191.702	0.90440	55.988	0.29206	191.702	0.90440	0.29206	55.988	10	31	64
147	25.077	0.00000	17.154	0.68405	58.667	0.00000	0.80682	47.333	9	14	31
148	30.078	0.00000	21.707	0.72168	15.000	0.00000	0.86667	13.000	4	14	25
149	21.727	0.00000	13.068	0.60146	25.000	0.00000	0.55000	13.750	9	14	32
150	24.950	0.00000	13.504	0.54123	11.118	0.00000	0.69841	7.765	6	20	32

Logistic Step 2 - Non-Comp

Predicted Probabilities and 95% confidence intervals

OBS	COMPTYPE	SIZE	PHAT	LCL	UCL	INCOME	P_SUBS	P_HH	P_HHPAS	P_MILES	S2_PARTH
151	Non-Competitive	Non-Event	0.00717	0.00221	0.02305	18556	2.13	0.44213	0.38701	0.40625	1
152	Non-Competitive	Non-Event	0.00652	0.00196	0.02143	16176	1.90	0.41227	0.60866	0.50000	1
153	Non-Competitive	Non-Event	0.01028	0.00291	0.03573	30511	2.57	0.56856	0.63803	0.45977	1
154	Non-Competitive	Non-Event	0.00549	0.00150	0.01985	17639	1.00	1.00000	1.00000	1.00000	1
155	Non-Competitive	Non-Event	0.36312	0.25039	0.49321	25972	14.35	.	0.06827	0.07143	1
156	Non-Competitive	Non-Event	0.03405	0.01565	0.07248	26899	12.88	0.16667	0.06944	1.00000	1
157	Non-Competitive	Non-Event	0.38071	0.17493	0.46585	26810	0.96	1.00000	1.00000	1.00000	1
158	Non-Competitive	Event	0.99114	0.96856	0.99754	40553	4.64	0.21714	0.21713	0.22513	1
159	Non-Competitive	Non-Event	0.04662	0.02234	0.09473	23352	1.02	1.00000	1.00000	1.00000	1
160	Non-Competitive	Non-Event	0.05977	0.01136	0.26018	29171	0.99	1.00000	1.00000	1.00000	0
161	Non-Competitive	Non-Event	0.01272	0.00490	0.03260	20801	98.62	0.01215	0.01224	0.00627	1
162	Non-Competitive	Non-Event	0.24455	0.15090	0.37094	15290	1.64	0.55128	0.59362	0.40278	1
163	Non-Competitive	Event	0.15779	0.08914	0.26398	30348	27.92	0.01938	0.02093	0.02645	1
164	Non-Competitive	Non-Event	0.13235	0.06648	0.24629	15750	250.67	0.00586	0.00586	0.23077	1
165	Non-Competitive	Event	0.59989	0.47063	0.71659	36629	8.49	0.10814	0.10814	0.11343	1
166	Non-Competitive	Event	0.92144	0.83367	0.96485	39284	491.33	0.01163	0.00248	0.00227	1
167	Non-Competitive	Event	0.89936	0.80540	0.95073	32551	4157.38	0.00038	0.00041	0.00227	1
168	Non-Competitive	Event	0.83886	0.69414	0.92272	43941	13.84	0.07076	0.07076	0.03919	1
169	Non-Competitive	Non-Event	0.19497	0.12749	0.28645	26903	1.61	0.61442	0.61442	0.69091	1
170	Non-Competitive	Non-Event	0.25324	0.08291	0.55987	16207	1.00	1.00000	1.00000	4.00000	1
171	Non-Competitive	Non-Event	0.18675	0.12572	0.26831	21837	12.99	0.06484	0.06484	0.10959	1
172	Non-Competitive	Non-Event	0.00164	0.00018	0.01504	10437	1.00	1.00000	1.00000	1.00000	0
173	Non-Competitive	Non-Event	0.00342	0.00041	0.02798	17111	1.00	1.00000	1.00000	1.00000	0
174	Non-Competitive	Non-Event	0.00213	0.00054	0.00838	23864	1.00	1.00000	1.00000	1.00000	1
175	Non-Competitive	Non-Event	0.06086	0.03148	0.11441	20946	8.76	0.12813	0.12813	0.16129	1

OBS	S2_PASMI	S2_PASUB	S2_SUBMI	S2_SUBSY	S5_PASMI	S5_PASUB	S5_SUBFR	S5_SUBMI	S7_TLTV	S7_TSAT	S7_TOTAC
151	36.094	0.00000	11.750	0.32554	34.385	0.00000	0.39485	13.577	7	11	23
152	36.094	0.00000	11.750	0.32554	43.938	0.00000	0.28094	12.344	7	11	23
153	35.851	0.00000	8.690	0.24239	49.750	0.00000	0.14774	7.350	7	13	25
154	16.129	0.00000	4.516	0.28000	16.129	0.00000	0.28000	4.516	4	16	26
155	14.857	0.00000	10.657	0.71731	14.200	0.00000	0.73239	10.400	5	6	37
156	34.286	0.00000	20.238	0.59028	2.381	0.00000	0.66000	1.571	0	13	22
157	73.333	0.00000	61.167	0.83409	73.333	0.00000	0.87273	64.000	3	11	23
158	60.651	0.92043	29.038	0.47878	58.496	0.92044	0.47524	27.880	8	34	65
159	50.000	0.00000	33.333	0.66667	50.000	0.00000	0.65333	32.667	2	11	20
160	40.852	0.00000	22.926	0.56120	40.852	0.00000	0.56573	23.111	8	19	35
161	21.003	0.00000	11.439	0.54463	41.000	0.00000	0.45122	18.500	4	9	21
162	50.069	0.00000	37.694	0.75284	73.793	0.00000	0.77336	57.069	6	18	30
163	26.140	0.67041	12.969	0.49611	20.688	0.59786	0.84894	17.563	6	14	35
164	78.769	0.00000	57.846	0.73438	2.000	0.00000	0.50000	1.000	6	11	22
165	72.031	0.38211	39.983	0.55507	68.673	0.69993	0.60461	41.520	7	19	37
166	66.323	0.61335	30.691	0.46275	72.500	0.61818	0.37931	27.500	8	26	52
167	66.323	0.61335	30.691	0.46275	12.000	0.61538	0.27083	3.250	8	26	52
168	101.875	0.00000	50.651	0.49719	183.935	0.00000	0.50772	93.387	7	22	40
169	52.436	0.00000	26.800	0.51110	46.632	0.00000	0.51806	24.158	8	19	33
170	171.000	0.00000	105.000	0.61404	42.750	0.00000	0.61404	26.250	6	5	17
171	54.932	0.00000	32.397	0.58978	32.500	0.00000	0.70000	22.750	7	15	31
172	93.556	0.00000	19.333	0.20665	93.556	0.00000	0.20665	19.333	7	12	22
173	108.727	0.00000	24.182	0.22241	108.727	0.00000	0.22241	24.182	7	12	22
174	35.000	0.00000	15.667	0.44762	35.000	0.00000	0.44762	15.667	0	8	11
175	21.903	0.00000	12.710	0.58027	17.400	0.00000	0.51724	9.000	5	18	29