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Principal Component Analysis

16 Observations
23 Variables

Simple Statistics

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
Mean	-.2803897326	3.347621144	3.704474391	0.399953438	-.0528850526	0.3629889892	0.6414157635	0.1909552719
StD	0.7997639469	1.491682827	1.669573035	1.209979391	0.8503628228	0.0000000000	0.8110666394	0.4552865368

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
Mean	-.2026713864	-.0264055709	-0.003580811	-.1909570808	0.0418825383	-0.067551231	0.8121782675	-0.187861880
StD	0.7401911503	0.3405674485	1.027387044	0.8119226617	0.8447726245	1.039151288	0.9916670070	1.013733620

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
Mean	-.0385408219	0.0570848573	-.0681931620	0.6496901670	-.4781886992	0.7659537006	0.4173381024
StD	0.4575126707	0.7733814218	0.3957302196	0.6017179171	0.4371326367	0.8349243275	0.6498846186

Covariance Matrix

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
S2_AGEHE	0.639622371	-0.689146304	-0.601547091	0.378782517	-0.207713883	0.000000000	-0.093878301	-0.142988217
S2_ASUBS	-0.689146304	2.225115270	0.932586557	0.246969124	-0.154679354	0.000000000	0.560611431	-0.010080713
S2_MILES	-0.601547091	0.932586557	2.787474119	-0.918224511	0.243924533	0.000000000	-0.650712189	0.461495067
S2_MSONU	0.378782517	0.246969124	-0.918224511	1.464850127	0.103737233	0.000000000	0.413253098	-0.075456669
S2_PABOV	-0.207713883	-0.154679354	0.243924533	0.103737233	0.723116930	0.000000000	-0.156567367	0.297107246
S2_PARTM	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
S2_PASUB	-0.093878301	0.560611431	-0.650712189	0.413253098	-0.156567367	0.000000000	0.657829094	-0.180605539
S2_SUBSY	-0.142988217	-0.010080713	0.461495067	-0.075456669	0.297107246	0.000000000	-0.180605539	0.207285831
S2BURY	-0.043235533	0.636225975	-0.322961045	0.392690963	-0.261554699	0.000000000	0.299502306	-0.112448377
S5_ADDRS	0.031290833	0.085435005	0.141130842	-0.003223219	0.041976332	0.000000000	-0.037257177	0.048200506
S5_BURY	-0.009760793	0.838565433	-0.099083036	0.225152835	-0.701184237	0.000000000	0.327600903	-0.282096379
S5_HEADA	0.636768182	-0.647098862	-0.603742400	0.329708145	-0.271210179	0.000000000	-0.090520819	-0.181642129
S5_MILES	-0.007115102	0.081739614	0.443688291	-0.085785346	0.100856925	0.000000000	-0.112752201	0.127275875
S5_PABOV	-0.104295223	0.152367773	0.269589667	0.278715631	0.608393918	0.000000000	-0.182858963	0.259421562
S5_PASUB	-0.379598454	0.232778429	0.040821334	0.041947430	0.434705405	0.000000000	0.258912777	0.163176021
S5_SUBFR	0.081074083	-0.543664317	-0.110411368	-0.105516440	0.180076396	0.000000000	-0.109225285	0.191403364
S6_FPAID	0.137075081	-0.094110379	0.110960252	-0.054694677	-0.031645776	0.000000000	-0.074576925	0.029964442
S7_FYACB	0.272246046	-0.325938294	-0.316883131	0.486147567	0.142570342	0.000000000	-0.105318933	-0.010278865
S7_FYARC	0.191429806	-0.158441128	-0.048110200	0.039505151	-0.042423821	0.000000000	-0.050492087	-0.005134322
S7_TOTAC	-0.128880468	0.178453544	-0.405128027	0.168591631	-0.034272363	0.000000000	0.288713714	-0.021477183
S7_TDTV	-0.030604815	-0.080711982	0.288849618	-0.230667795	-0.013358618	0.000000000	-0.009691413	0.011096043
S7_TLTV	-0.231560299	0.600511958	0.376831985	0.333847976	0.385436475	0.000000000	0.073433163	0.144524319
S7_TSAT	0.049401881	-0.086674835	-0.628569404	0.104430694	-0.190339987	0.000000000	0.177724214	-0.081523586

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Principal Component Analysis

Covariance Matrix

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
S2_AGEHE	-0.043235533	0.031290833	-0.009760793	0.636768182	-0.007115102	-0.104295223	-0.379598454	0.081074083
S2_ASUBS	0.636225975	0.085435005	0.838565433	-0.647098862	0.081739614	0.152367773	0.232778429	-0.543664317
S2_MILES	-0.322961045	0.141130842	-0.099083036	-0.603742400	0.443688291	0.269589667	0.040821334	-0.110411368
S2_MSONU	0.392690963	-0.003223219	0.225152835	0.329708145	-0.085785346	0.278715631	0.041947430	-0.105516440
S2_PABOV	-0.261554699	0.041976332	-0.701184237	-0.271210179	0.100856925	0.608393918	0.434705405	0.180076396
S2_PARTM	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
S2_PASUB	0.299502306	-0.037257177	0.327600903	-0.090520819	-0.112752201	-0.182858963	0.258912777	-0.109225285
S2_SUBSY	-0.112448377	0.048200506	-0.282096379	-0.181642129	0.127275875	0.259421562	0.163176021	0.191403364
S2BURY	0.547882939	-0.033503326	0.519494990	-0.055649377	-0.068189401	0.019409602	-0.139853767	-0.074886358
S5_ADDRS	-0.033503326	0.115906187	-0.060074312	0.022634050	0.279519184	-0.028822390	0.116478934	0.029795564
S5_BURY	0.519494990	-0.060074312	1.055524138	0.073162894	-0.133051793	-0.509251194	-0.330019090	-0.444611504
S5_HEADA	-0.055649377	0.022634050	0.073162894	0.659218409	-0.025509737	-0.180906577	-0.405211226	-0.003487301
S5_MILES	-0.068189401	0.279519184	-0.133051793	-0.025509737	0.713640787	-0.038378861	0.306564539	-0.021481240
S5_PABOV	0.019409602	-0.028822390	-0.509251194	-0.180906577	-0.038378861	1.079835399	0.076683166	0.102573023
S5_PASUB	-0.139853767	0.116478934	-0.330019090	-0.405211226	0.306564539	0.076683166	0.983483453	0.055997248
S5_SUBFR	-0.074886358	0.029795564	-0.444611504	-0.003487301	-0.021481240	0.102573023	0.055997248	1.027655852
S6_FPAID	-0.036446875	0.123379621	-0.072521741	0.129981781	0.261465594	-0.105669787	0.001588520	0.179370595
S7_FYACB	-0.049496095	0.084375280	-0.099883268	0.262878743	-0.045916549	0.121268986	-0.085005834	-0.197614116
S7_FYARC	-0.027005305	0.072220620	-0.053468878	0.187408095	0.119274173	-0.092545015	-0.064295027	0.151049898
S7_TOTAC	0.166433060	0.032156671	0.150093847	-0.131851694	0.088786288	-0.146183645	0.303309733	0.106705084
S7_TDTV	-0.159405572	0.033614353	-0.145189650	-0.037932468	0.068448415	-0.190624394	0.067447029	0.090864824
S7_TLTV	-0.018250932	-0.017183401	-0.037082742	-0.211083478	-0.041710957	0.467805668	0.274860932	-0.208563900
S7_TSAT	0.224756773	0.025757599	0.183288100	0.046452599	0.052081857	-0.218911830	0.054760157	0.244010976

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Principal Component Analysis

Covariance Matrix

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
S2_AGEHE	0.137075081	0.272246046	0.191429806	-0.128880468	-0.030604815	-0.231560299	0.049401881
S2_ASUBS	-0.094110379	-0.325938294	-0.158441128	0.178453544	-0.080711982	0.600511958	-0.086674835
S2_MILES	0.110960252	-0.316883131	-0.048110200	-0.405128027	0.208049618	0.376831985	-0.628569404
S2_MSONU	-0.054694677	0.486147567	0.039505151	0.168591651	-0.230667795	0.333847976	0.104438694
S2_PABOV	-0.031445776	0.142570342	-0.042423821	-0.034272363	-0.013358618	0.385436475	-0.190339987
S2_PARTH	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
S2_PASUB	-0.074576925	-0.105310933	-0.050492887	0.288713714	-0.009691413	0.073433163	0.177724214
S2_SUBSY	0.029964442	-0.010270865	-0.005134322	-0.021477183	0.011096043	0.144524319	-0.081523586
S2BURY	-0.056446875	-0.049496095	-0.027005305	0.166433060	-0.159405572	-0.018250932	0.224756773
S5_ADDRS	0.123379621	0.006375280	0.072220620	0.032156471	0.033614353	-0.017183401	0.025757599
S5_BURY	-0.072521741	-0.099003268	-0.053658878	0.150093847	-0.145189650	-0.037082742	0.183288100
S5_HEADA	0.129981781	0.262078743	0.187408095	-0.131851694	-0.037932468	-0.211003478	0.046452599
S5_MILES	0.261465594	-0.045916549	0.119274173	0.088786288	0.068448415	-0.041710957	0.052081857
S5_PABOV	-0.105669707	0.121268986	-0.092345815	-0.146183645	-0.190624394	0.467805668	-0.218911830
S5_PASUB	0.001588520	-0.085005834	-0.064295027	0.303309733	0.067447029	0.274860932	0.054760157
S5_SUBFR	0.179370595	-0.197614116	0.151049898	0.106705084	0.090864824	-0.208563900	0.244010976
S6_FPAID	0.209317844	-0.017506549	0.162148778	-0.002159540	0.067137506	-0.103734071	0.063728216
S7_FYACB	-0.017506549	0.598118824	0.073591982	-0.096671013	-0.087517310	0.104726933	-0.093793564
S7_FYARC	0.162148778	0.073591982	0.156602407	-0.025819044	0.041914955	-0.084492059	0.048363334
S7_TOTAC	-0.002159540	-0.096671013	-0.025819044	0.362064452	-0.049423482	0.014853643	0.313509746
S7_TDTV	0.067137506	-0.087517310	0.041914955	-0.049423482	0.191084942	-0.158752969	-0.057293293
S7_TLTV	-0.103734071	0.104726933	-0.084492059	0.014853643	-0.158752969	0.697098633	-0.212845799
S7_TSAT	0.063728216	-0.093793564	0.048363334	0.313509746	-0.057293293	-0.212845799	0.422350017

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Principal Component Analysis

Total Variance = 17.524278022

Eigenvalues of the Covariance Matrix

	Eigenvalue	Difference	Proportion	Cumulative
COST1	4.84257	0.96505	0.276335	0.27633
COST2	3.87751	1.16093	0.221265	0.49760
COST3	2.70858	0.74325	0.154562	0.65216
COST4	1.96533	0.70708	0.112149	0.76431
COST5	1.25825	0.17286	0.071800	0.83611
COST6	1.08539	0.54477	0.061937	0.89805
COST7	0.54062	0.12093	0.030850	0.92890
COST8	0.41969	0.10900	0.023949	0.95285
COST9	0.31069	0.08982	0.017729	0.97058
COST10	0.22087	0.09585	0.012604	0.98318
COST11	0.12702	0.04700	0.007248	0.99043
COST12	0.08002	0.02188	0.004566	0.99499
COST13	0.05814	0.03042	0.003317	0.99831
COST14	0.02772	0.02585	0.001582	0.99989
COST15	0.00187	0.00187	0.000106	1.00000
COST16	0.00000	0.00000	0.000000	1.00000
COST17	0.00000	0.00000	0.000000	1.00000
COST18	0.00000	0.00000	0.000000	1.00000
COST19	0.00000	0.00000	0.000000	1.00000
COST20	0.00000	0.00000	0.000000	1.00000
COST21	0.00000	0.00000	0.000000	1.00000
COST22	0.00000	0.00000	0.000000	1.00000
COST23	0.00000	.	0.000000	1.00000

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Principal Component Analysis

Eigenvectors

	COST1	COST2	COST3	COST4	COST5	COST6	COST7	COST8	COST9	COST10	COST11	COST12
S2_AGEHE	-.272911	-.081468	-.058009	0.257087	0.238184	0.074535	0.065440	-.202535	0.163664	-.099497	0.188698	0.107488
S2_ASUBS	0.421498	0.571558	0.049621	0.018768	0.070707	0.139008	0.034795	-.286853	-.076263	0.300695	-.005706	-.050257
S2_MILES	0.680473	-.197289	-.232115	0.244037	0.217690	0.115135	0.219554	0.180570	-.032602	-.213801	0.101059	0.228553
S2_MBONU	-.222837	0.278968	0.431706	0.284972	0.319031	0.115608	0.295263	0.143604	-.202358	-.413891	-.211088	-.116551
S2_PABOV	0.119098	-.201695	0.414748	-.035154	-.030823	-.053723	-.002555	0.028188	-.083472	0.123681	-.293419	-.251606
S2_PARTM	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
S2_PASUB	-.074472	0.307898	0.103548	-.221854	-.011506	-.075039	0.256128	-.381744	-.055300	-.048932	-.023971	0.449943
S2_SUBSY	0.122362	-.121472	0.118547	-.022522	0.062138	0.114568	0.010557	0.190811	-.038474	-.062110	-.074009	-.012762
S2BURY	-.034158	0.302590	0.004562	0.007342	0.014662	0.310795	-.267414	0.078105	-.266284	-.011071	0.214316	-.281366
S5_ADDRS	0.026526	-.034220	0.004501	-.041512	0.271378	-.018449	-.118744	-.058939	-.002529	0.044072	-.053284	0.030755
S5_BURY	-.016220	0.429882	-.290582	0.113948	0.035409	0.035804	-.007308	0.329095	0.210218	-.100840	0.159909	-.072147
S5_HEADA	-.271938	-.057875	-.101376	0.271641	0.220360	0.005927	0.068389	-.191080	0.318541	0.001605	0.157187	0.047779
S5_MILES	0.103253	-.071154	-.087087	-.116436	0.620412	-.096670	-.436965	-.088618	-.013622	-.108669	-.221341	0.023435
S5_PABOV	0.130981	-.102301	0.449533	0.232548	-.185550	0.312510	-.442746	-.238790	0.067668	-.103676	0.296966	0.312815
S5_PASUB	0.123491	0.002445	0.311180	-.439042	0.207156	-.356305	0.123239	0.057717	0.099852	-.154983	0.649524	-.187942
S5_SUBFR	-.073519	-.225725	0.062478	-.309703	0.058628	0.688270	0.369683	0.086064	0.033385	0.085613	0.188845	-.009648
S6_FPAID	-.009835	-.065940	-.063872	-.039911	0.320307	0.113355	-.010037	-.157366	0.055495	0.297916	-.023019	-.179073
S7_FYACB	-.125992	-.035471	0.167364	0.305786	0.126162	-.216220	0.054690	0.372850	-.397533	0.517907	0.248308	0.315704
S7_FYARC	-.055252	-.052007	-.040295	0.021459	0.228454	0.095203	0.085931	-.115098	0.028129	0.396249	0.084260	-.108489
S7_TOTAC	-.047856	0.138013	0.078930	-.299458	0.101156	0.020940	-.066891	0.288332	0.157150	-.016927	-.179373	0.481712
S7_TDTV	0.034755	-.080617	-.096320	-.104453	0.060642	-.072535	0.259458	-.256989	-.298089	-.000994	-.096434	0.138597
S7_TLTV	0.178131	0.095648	0.323418	0.162719	-.029544	-.086006	0.175302	0.104110	0.629837	0.250376	-.182141	-.039901
S7_TSAT	-.147132	0.096582	-.031259	-.271374	0.096455	0.197911	-.226404	0.271085	0.096472	0.132306	-.061742	0.190814

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Principal Component Analysis

Eigenvectors

	COST13	COST14	COST15	COST16	COST17	COST18	COST19	COST20	COST21	COST22	COST23
S2_AGEHE	-.039725	0.196813	-.269825	0.166756	-.074816	-.018328	-.096899	0.507606	0.110461	-.087354	-.473543
S2_ASUBS	-.300856	-.185879	-.178797	0.057492	0.050502	0.013344	-.221266	0.145942	-.172676	-.151901	-.004344
S2_MILES	0.024474	0.236436	-.054155	-.154282	0.129069	0.032381	0.063327	-.138593	0.038583	-.023545	-.087855
S2_MBONU	-.172610	-.005221	0.129283	-.140336	-.102382	-.027189	0.080234	-.121334	-.028057	-.108890	0.020261
S2_PABOV	0.086710	0.213763	-.410991	0.407366	0.337636	0.809347	0.173555	-.148974	-.055130	-.033363	-.168996
S2_PARTM	0.000000	0.000000	0.000000	-.005540	-.249564	0.968342	0.000000	0.000000	0.000000	0.000000	0.000000
S2_PASUB	0.522414	0.193951	0.147526	0.033278	0.158820	0.041122	-.061556	-.186156	0.007129	-.023717	-.121517
S2_SUBSY	0.079883	0.218184	0.431470	0.453740	0.008305	0.004736	-.519011	0.304147	-.140992	0.040882	0.248344
S2BURY	0.237914	0.337755	-.128047	-.218663	0.167903	0.042022	-.000353	0.143172	0.248118	0.421279	0.110749
S5_ADDRS	0.106870	-.172546	0.258853	-.058991	0.438148	0.112601	0.478069	0.453582	0.086040	-.309138	0.231163
S5_BURY	0.182658	-.154809	0.029853	0.578549	-.060571	-.012300	0.302568	-.157170	0.089091	0.017818	-.057786
S5_HEADA	-.154492	-.087080	-.158098	0.042236	0.453417	0.117098	-.196425	-.282879	-.146524	0.181496	0.421716
S5_MILES	0.225439	-.313566	-.068484	-.006453	-.141846	-.036594	-.136765	-.101284	-.123189	0.273122	-.148369
S5_PABOV	-.078413	-.060421	0.121481	0.157727	-.140065	-.035196	0.188507	-.140281	0.033567	-.003439	0.055414
S5_PASUB	-.120559	0.015421	-.003996	0.005707	0.003523	0.000940	-.008298	-.006149	0.010033	-.007395	-.005858
S5_SUBFR	0.165146	-.391778	-.130642	-.005581	0.082814	0.000694	-.010043	0.005758	-.046299	0.039524	-.022107
S6_FPAID	0.020557	0.199018	0.059910	0.108098	-.254191	-.064938	-.081319	-.297223	0.588652	-.370971	0.181495
S7_FYACB	0.117507	-.193839	-.047753	0.007870	0.022835	0.005930	-.098548	-.015902	0.062068	0.019708	-.024189
S7_FYARC	-.004925	0.385363	0.211560	-.049603	-.257175	-.066564	0.364045	-.032266	-.562334	0.131426	-.014947
S7_TOTAC	-.138077	0.242127	-.426843	-.000636	-.214858	-.055378	0.115363	0.159283	-.009612	-.011226	0.386527
S7_TDTV	-.382725	-.073187	0.113750	0.304361	-.033464	-.006883	0.234808	0.066333	0.313532	0.541791	0.049858
S7_TLTV	0.112142	-.064105	0.153116	-.179030	-.032271	-.009341	0.013896	0.133053	0.253433	0.349127	-.082040
S7_TSAT	-.420100	0.149993	0.289330	-.052548	0.338170	0.086854	-.070078	-.200326	0.061813	-.013527	-.444689

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Principal Component Analysis

94 Observations
23 Variables

Simple Statistics

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
Mean	1.269477694	-.2765591876	-.1175198895	0.229812137	0.2937797495	0.2305917895	-.3638402546	0.7263599368
StD	0.894449671	0.2641156764	0.5711471667	1.177295997	0.6046614113	0.6313824575	0.4364044535	0.6745194865

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
Mean	-.3562216782	-.1827780464	-.3475672332	1.311162673	-.1760615876	0.2967669480	-.3915049693	0.6370042784
StD	0.3053795515	0.0659147719	0.3102392651	0.924867875	0.1906899731	0.6177404766	0.4191046574	0.7403405854

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
Mean	-.1658102309	-.1137025754	-.1651645280	0.0668710423	0.363766728	-.1700961844	0.1399539687
StD	0.1286525074	0.1868649947	0.0799764797	0.6787131286	1.146414599	0.9525773786	0.8242132123

Covariance Matrix

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
S2_AGEHE	0.800040214	0.027882593	0.088832101	-0.024148692	0.059593816	-0.097661921	0.011085480	-0.041860000
S2_ASUBS	0.027882593	0.069757091	0.118246038	-0.078076732	-0.007242168	-0.006911529	0.081260646	-0.011011367
S2_MILES	0.088832101	0.118246038	0.326209086	-0.156061782	-0.025148221	-0.044679916	0.111796741	-0.100512849
S2_MSONU	-0.024148692	-0.078076732	-0.156061782	1.386025866	0.137359780	0.114032062	-0.146600359	-0.252288359
S2_PABOV	0.059593816	-0.007242168	-0.025148221	0.137359780	0.365615422	0.031908771	0.011206594	0.010097033
S2_PARTM	-0.097661921	-0.006911529	-0.044679916	0.114032062	0.031908771	0.398643808	0.006578759	-0.055319811
S2_PASUB	0.011085480	0.081260646	0.111796741	-0.146600359	0.011206594	0.006578759	0.190448847	0.018285121
S2_SUBSY	-0.041860000	-0.011011367	-0.100512849	-0.252288359	0.010097033	-0.055319811	0.018285121	0.454976538
S2BURY	0.059392670	-0.003841449	-0.009179735	0.068753901	0.011702744	0.004215021	-0.008177577	-0.007427888
S5_ADDRS	0.012917095	0.011760377	0.021434321	-0.015553488	-0.000852877	0.001286752	0.015338494	-0.001352073
S5_BURY	0.060337826	-0.003902580	-0.009325819	0.069848029	0.011888978	0.004282097	-0.008307712	-0.007546093
S5_HEADA	0.812680824	0.022903790	0.082593764	-0.087762115	0.056004626	-0.103033715	0.004027542	-0.048432352
S5_MILES	0.041302482	0.024953544	0.061793661	-0.004336935	-0.001417743	-0.005061437	0.020010293	-0.041563875
S5_PABOV	0.019199461	-0.010414124	-0.032515940	0.130443655	0.296393775	0.061912506	0.021879045	-0.019184880
S5_PASUB	0.030071387	0.070240516	0.113675917	-0.138670533	0.008929542	0.001896406	0.170126771	0.006017632
S5_SUBFR	-0.120175554	-0.015521697	-0.088365831	-0.151395106	-0.013002639	-0.049333351	0.003157169	0.324128158
S6_FPAID	0.023779023	0.016719879	0.039106544	-0.009977510	-0.004378651	0.005021459	0.010742921	-0.011494495
S7_FYACB	0.005342966	0.002364374	-0.001722984	0.054275778	0.008060173	0.010155544	0.016996733	-0.021877532
S7_FYARC	-0.005614570	0.001986538	-0.000030230	0.000550754	0.000283064	0.005332024	0.004508205	-0.006827021
S7_TOTAC	-0.030894006	0.100395700	0.276484275	-0.040887227	-0.054351313	0.036050253	0.114857433	-0.145512388
S7_TDTV	0.263417188	0.123722174	0.298569929	-0.043593590	0.017607591	-0.017760973	0.087957219	0.053348035
S7_TLTV	-0.207225632	0.023418049	0.054585149	-0.306810599	0.044775016	0.025694968	0.077390997	-0.031788840
S7_TSAT	-0.078516035	0.086618532	0.258838596	0.045718098	-0.127537011	0.030259573	0.089033626	-0.189854519

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Principal Component Analysis

Covariance Matrix

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
S2_AGEHE	0.059392670	0.012917095	0.060337826	0.812680824	0.041302482	0.019199461	0.030071387	-0.120175554
S2_ASUBS	-0.003841449	0.011760377	-0.003902580	0.022903790	0.024953544	-0.010414124	0.070240516	-0.015521697
S2_MILES	-0.009179735	0.021434321	-0.009325819	0.082593764	0.061793661	-0.032515940	0.113675917	-0.088365831
S2_MSONU	0.068753901	-0.015553488	0.069848029	-0.007762115	-0.004336935	0.130443655	-0.138670533	-0.151395106
S2_PABOV	0.011702744	-0.000852877	0.011888978	0.056004626	-0.001417743	0.296393775	0.008929542	-0.013002639
S2_PARTM	0.004215021	0.001286752	0.004282097	-0.103033715	-0.005061437	0.061912506	0.001896406	-0.049333351
S2_PASUB	-0.008177577	0.015338494	-0.008307712	0.004027542	0.020010293	0.021879045	0.170126771	0.003157169
S2_SUBSY	-0.007427888	-0.001352073	-0.007546093	-0.048432352	-0.041563875	-0.019184880	0.006017632	0.324128158
S2BURY	0.093256670	-0.000652051	0.094740728	0.061470667	0.006740771	0.087865549	-0.007574717	-0.003768877
S5_ADDRS	-0.000652051	0.004344757	-0.000662427	0.012751057	0.009129277	-0.001882312	0.015053284	-0.010053377
S5_BURY	0.094740728	-0.000662427	0.096248402	0.062448892	0.006848041	0.007990718	-0.007492076	-0.003828854
S5_HEADA	0.061470667	0.012751057	0.062448892	0.855380586	0.042962434	0.016023324	0.029261012	-0.123925792
S5_MILES	0.006740771	0.009129277	0.006848041	0.042962434	0.036362666	-0.006250486	0.018171836	-0.048116429
S5_PABOV	0.087865549	-0.001882312	0.007990718	0.016023324	-0.006250486	0.381603296	0.018085979	-0.057652854
S5_PASUB	-0.007574717	0.015053284	-0.007492076	0.029261012	0.018171836	0.018085979	0.175648714	-0.018173602
S5_SUBFR	-0.003768877	-0.010053377	-0.003828854	-0.123925792	-0.048116429	-0.057652854	-0.018173602	0.548104182
S6_FPAID	0.003126818	0.006624028	0.003176577	0.024841146	0.021249029	-0.007933510	0.009274337	-0.025866592
S7_FYACB	0.002064736	0.001389042	0.002097593	0.003193888	0.006347358	-0.004853733	0.015697587	-0.009816184
S7_FYARC	0.006279320	0.000892940	0.006379247	-0.006754430	0.005659150	-0.008780035	0.004489286	-0.005872398
S7_TOTAC	-0.005131186	0.018186745	-0.005212842	-0.035490812	0.061594834	-0.027623252	0.115707695	-0.130722414
S7_TDTV	-0.024144928	0.032356620	-0.024529163	0.259670155	0.087539983	-0.014626156	0.089936984	-0.003194341
S7_TLTV	0.008016881	-0.002353227	0.008144459	-0.204832328	-0.011752750	0.105133259	0.075683332	-0.070843791
S7_TSAT	-0.002266677	0.015530415	-0.002302748	-0.086129397	0.063311551	-0.100366957	0.090053779	-0.142384148

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Principal Component Analysis

Covariance Matrix

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
S2_AGEHE	0.023779023	0.005342966	-0.085614570	-0.030894006	0.263417188	-0.207225632	-0.078516035
S2_ASUBS	0.016719879	0.002564374	0.001906538	0.100395708	0.123722174	0.023418049	0.086618532
S2_MILES	0.039106544	-0.001722904	-0.000030230	0.276484275	0.290869929	0.054585149	0.258838596
S2_MSDWU	-0.009977510	0.054275778	0.000550754	-0.040087227	-0.043893590	-0.306810599	0.045718098
S2_PABOV	-0.004370651	0.000060173	0.000283064	-0.054351313	0.017607591	0.044775016	-0.127537011
S2_PARTM	0.005021459	0.010155644	0.005332024	0.036050253	-0.017760975	0.025694968	0.030259573
S2_PASUB	0.010742921	0.016996733	0.004588205	0.114857433	0.087957219	0.077390997	0.089033626
S2_SUBSY	-0.011494495	-0.021877532	-0.006027021	-0.145512588	0.053340035	-0.031788040	-0.189854519
S2BURY	0.003126818	0.002064756	0.006279320	-0.005131186	-0.024144928	0.008016881	-0.002266677
S5_ADDRS	0.006624028	0.001509042	0.000892940	0.018186745	0.032556620	-0.002353227	0.015530415
S5_BURY	0.003176577	0.002097593	0.006379247	-0.005212042	-0.024529163	0.008144459	-0.002302748
S5_HEADA	0.024041146	0.003193888	-0.006754430	-0.035490812	0.259670155	-0.204832328	-0.006129397
S5_MILES	0.021249029	0.006347358	0.005659150	0.061594834	0.087539903	-0.011752750	0.063311551
S5_PABOV	-0.007933510	-0.004053733	-0.000780035	-0.027623252	-0.014626156	0.105133259	-0.100366957
S5_PASUB	0.009274337	0.015697587	0.004689286	0.115707695	0.089956904	0.075683332	0.090053779
S5_SUBFR	-0.025866592	-0.009816104	-0.005872398	-0.130722414	-0.005194341	-0.070843791	-0.142304148
S6_FPAID	0.016551468	0.003393809	0.002858384	0.037891924	0.067814167	-0.014240877	0.039165896
S7_FYACB	0.003393809	0.034918526	0.005863739	0.006266933	0.010329148	-0.030841507	0.017403440
S7_FYARC	0.002858384	0.005863739	0.006396237	0.004178429	-0.001385131	-0.007593488	0.009488706
S7_TOTAC	0.037891924	0.006266933	0.004178429	0.460651511	0.316460018	0.100012823	0.503159841
S7_TDTV	0.067814167	0.010329148	-0.001385131	0.316460018	1.314266433	-0.548368143	0.331979031
S7_TLTV	-0.014240877	-0.030841507	-0.007593488	0.100012823	-0.548368143	0.907403662	-0.072176252
S7_TSAT	0.039165896	0.017403440	0.009488706	0.503159841	0.331979031	-0.072176252	0.679327419

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Principal Component Analysis

Total Variance = 9.6021814016

Eigenvalues of the Covariance Matrix

	Eigenvalue	Difference	Proportion	Cumulative
COST1	2.29811	0.550643	0.239332	0.23933
COST2	1.74746	0.138403	0.181986	0.42132
COST3	1.60906	0.374405	0.167572	0.58889
COST4	1.23466	0.406598	0.128581	0.71747
COST5	0.75806	0.288653	0.078113	0.79558
COST6	0.46140	0.105077	0.048052	0.84364
COST7	0.35633	0.075630	0.037109	0.88075
COST8	0.28070	0.029288	0.029233	0.90998
COST9	0.25141	0.081948	0.026183	0.93616
COST10	0.16946	0.011859	0.017648	0.95381
COST11	0.15760	0.057171	0.016413	0.97022
COST12	0.10043	0.030226	0.010459	0.98068
COST13	0.07021	0.037303	0.007311	0.98799
COST14	0.03290	0.009765	0.003427	0.99142
COST15	0.02314	0.004006	0.002410	0.99383
COST16	0.01913	0.004027	0.001992	0.99582
COST17	0.01510	0.003445	0.001573	0.99759
COST18	0.01166	0.004368	0.001214	0.99861
COST19	0.00729	0.003809	0.000759	0.99937
COST20	0.00348	0.001506	0.000363	0.99973
COST21	0.00198	0.001359	0.000206	0.99994
COST22	0.00062	0.000617	0.000064	1.00000
COST23	0.00000	.	0.000000	1.00000

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Principal Component Analysis

Eigenvectors

	COST1	COST2	COST3	COST4	COST5	COST6	COST7	COST8	COST9	COST10	COST11	COST12
S2_AGEHE	0.388835	-.211741	-.397435	0.276869	-.069684	0.122182	0.121401	0.022668	-.057897	-.022121	-.088088	0.005236
S2_ASUBS	0.072701	0.106528	0.017751	0.043429	0.052379	0.074822	0.002568	0.018311	0.215647	-.067138	0.068603	0.203460
S2_MILES	0.196331	0.238457	0.075695	0.159739	0.044865	0.118431	-.132381	-.034127	0.165213	-.356495	0.150768	0.650137
S2_MSONU	0.050157	-.682618	0.544193	0.033105	0.043412	0.373673	-.031833	-.196666	0.187160	0.013289	-.117326	0.044670
S2_PABOV	-.003212	-.142552	-.027861	0.074787	0.572654	-.030694	-.128512	0.292514	-.178419	-.084636	0.062951	0.256449
S2_PARTM	-.042669	-.029875	0.148393	0.027132	0.160948	-.283353	0.906740	-.101212	-.004828	-.114068	-.025450	0.136641
S2_PASUB	0.050637	0.161587	-.003864	0.070257	0.142869	0.150947	0.104185	0.241635	0.548201	0.112935	0.035059	-.190412
S2_SUBSY	-.069793	0.074541	-.243909	-.366542	0.165214	0.334019	0.118699	-.086297	-.040700	0.604459	-.298991	0.405212
S2_BURY	0.013943	-.055332	-.010247	0.049790	-.007282	0.128763	0.083264	-.052197	-.104776	0.245699	0.617529	-.010744
S5_ADDRS	0.020213	0.017816	0.000499	0.000090	0.010679	0.000196	0.007365	0.000111	0.046953	0.012437	0.008322	0.044143
S5_BURY	0.014165	-.056213	-.010410	0.050583	-.007398	0.130812	0.084589	-.053027	-.106443	0.249689	0.627356	-.010915
S5_HEADA	0.395861	-.229036	-.488393	0.292208	-.084153	0.139450	0.121700	-.009785	-.065019	-.030486	-.113841	-.062996
S5_MILES	0.063049	0.029944	0.025613	0.047522	0.001690	-.009812	-.024741	-.019900	0.028242	-.016829	0.095093	0.114051
S5_PABOV	-.029558	-.117427	0.009514	0.126608	0.592924	-.097306	-.083915	0.272585	-.198876	0.050014	-.032605	-.195272
S5_PASUB	0.060252	0.150537	-.008175	0.009323	0.124479	0.131165	0.080297	0.216046	0.517843	0.129204	0.008775	-.201132
S5_SUBFR	-.103468	0.055989	-.160567	-.438444	0.078369	0.587211	0.182716	0.094767	-.145307	-.542561	0.096697	-.204494
S6_FPAID	0.042896	0.023258	0.013801	0.015209	0.003575	-.011557	0.008881	-.032439	0.011372	0.016562	0.040588	0.127513
S7_FYACB	0.014710	-.021344	0.029278	0.003581	-.003377	0.014032	0.028202	0.068166	0.187484	-.000984	0.030284	-.072509
S7_FYARC	0.001080	0.002357	0.008061	0.001767	-.003892	-.009633	0.014278	0.033602	0.012179	0.028724	0.070343	-.003502
S7_TOTAC	0.193204	0.291980	0.284534	0.198838	0.021486	0.216701	0.070414	0.035408	-.201498	0.032617	-.122686	0.000393
S7_TDTV	0.630067	0.179460	0.117946	-.363185	0.326343	-.153004	-.098121	-.462925	0.014072	0.008457	0.042929	-.229546
S7_TLTV	-.356235	0.265754	-.059506	0.501982	0.247778	0.263599	-.024976	-.568022	-.060188	-.016275	-.096011	-.167677
S7_TSAT	0.230492	0.282054	0.405487	0.128654	-.195095	0.212675	0.095360	0.342680	-.373048	0.171262	-.121226	-.084395

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Principal Component Analysis

Eigenvectors

	COST13	COST14	COST15	COST16	COST17	COST18	COST19	COST20	COST21	COST22	COST23
S2_AGEHE	-.004438	0.089590	0.076641	-.407666	-.103829	0.567988	0.120189	-.044387	0.008729	-.025256	0.000000
S2_ASUBS	-.078884	0.125596	-.375426	-.482917	-.018225	-.423316	0.528948	-.075889	-.093751	-.073227	0.000000
S2_MILES	-.279399	-.117502	0.290560	0.082154	0.140896	0.046686	-.166072	0.073175	0.014075	0.025261	0.000000
S2_MSONU	-.029865	-.010998	-.014903	0.001719	0.026014	0.026039	-.082184	0.016731	0.007812	0.001950	0.000000
S2_PABOV	0.634752	-.144848	-.093663	0.006031	0.028354	0.003135	-.009602	-.008012	0.008056	0.000909	0.000000
S2_PARTM	-.006470	-.021862	0.014954	0.006464	0.043175	0.003977	-.011217	0.012458	-.024792	-.001287	0.000000
S2_PASUB	0.030310	0.036894	-.214725	-.257654	-.054131	-.019189	-.599081	0.130729	0.083238	0.046906	0.000000
S2_SUBSY	-.066491	0.035524	0.073371	0.013061	0.009526	-.013267	-.019531	0.033441	-.041226	-.002082	0.000000
S2_BURY	-.027930	-.060195	0.022291	-.002549	-.023122	-.019336	-.011494	-.033459	-.009895	0.002699	0.712666
S5_ADDRS	0.003464	0.135355	-.100738	0.073481	0.021722	0.063299	0.083582	-.269384	0.125606	0.927879	0.000000
S5_BURY	-.028374	-.061153	0.022646	-.002589	-.023490	-.019643	-.011677	-.033991	-.010053	0.002742	-.701503
S5_HEADA	0.004976	0.000976	-.078015	0.362496	0.125116	-.551095	-.116886	0.063752	0.001429	0.026986	0.000000
S5_MILES	0.050994	0.617159	-.312689	0.305841	0.017557	0.264453	-.050962	0.104193	-.553310	-.066675	0.000000
S5_PABOV	-.639102	0.165120	0.009205	-.006955	0.006539	-.029621	0.024935	-.016935	-.006723	-.001364	0.000000
S5_PASUB	0.055042	-.200930	0.166535	0.427885	0.120094	0.183331	0.472070	-.124655	-.050428	-.099592	0.000000
S5_SUBFR	-.024602	0.057621	-.029628	0.030582	0.012289	0.034969	0.024508	-.014896	0.015234	0.001245	0.000000
S6_FPAID	0.018791	0.403366	-.183185	0.173964	0.050078	0.094187	-.024622	-.372565	0.709372	-.311015	0.000000
S7_FYACB	0.260946	0.509911	0.721437	-.106644	-.081511	-.255750	0.000280	-.119776	-.071966	0.009644	0.000000
S7_FYARC	0.043608	0.200378	0.035660	0.050018	-.034272	0.047618	0.264648	0.840980	0.384492	0.134715	0.000000
S7_TOTAC	0.022677	-.052164	-.025311	0.156439	-.783266	-.054277	0.024336	-.031768	0.013040	-.000641	0.000000
S7_TDTV	0.069322	-.023859	0.014162	-.038100	0.093643	0.009880	-.006498	0.019628	0.004354	0.003670	0.000000
S7_TLTV	0.103650	0.040336	0.013618	-.064525	0.183133	0.025050	0.002633	0.023083	0.010111	0.006757	0.000000
S7_TSAT	0.061958	0.028536	-.011523	-.127744	0.514192	0.020701	-.000954	0.011649	-.010212	0.007071	0.000000

CLUSUNWT=4

Principal Component Analysis

48 Observations
23 Variables

Simple Statistics

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
Mean	-.1641079614	-.2751441930	-.1724934304	0.399430566	-1.082986933	-0.025927785	-.2289140477	-0.191104263
StD	0.7933348321	0.2625928798	0.6258737997	1.294347768	1.393238635	1.039866015	0.7355956920	1.009818361

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
Mean	2.511362831	-.1482187447	2.565651109	-.1494961762	-.1346695048	-0.960396886	-.2521050994	-0.077352132
StD	0.427349560	0.2413437225	0.434150266	0.7969457140	0.3892748199	1.394229783	0.7468401219	1.302521357

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
Mean	-.1202507611	-.0335685186	-.0942578212	-.2671506728	-.1161656487	0.0755562514	-.2720723737
StD	0.3159597180	0.4757922350	0.4488072395	0.8532063305	0.8505096088	0.8642400104	0.8527444344

Covariance Matrix

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
S2_AGEHE	0.629380156	0.042344198	0.152749766	0.410424408	0.160288432	0.064445780	-0.019991140	0.328325770
S2_ASUBS	0.042344198	0.068955021	0.137671882	0.030719856	-0.004221697	-0.080550948	0.070036515	0.066622907
S2_MILES	0.152749766	0.137671882	0.391718013	0.185132107	0.057142855	-0.035931072	0.084188637	0.107307243
S2_MSONU	0.410424408	0.030719056	0.185132107	1.675336145	0.388174483	0.405827879	-0.124482866	0.342487724
S2_PABOV	0.160288432	-0.004221697	0.057142855	0.388174483	1.941113895	0.303119625	0.082231369	0.103259810
S2_PARTM	0.064445780	-0.080550948	-0.035931072	0.405827879	0.303119625	1.081321328	-0.148880485	-0.208511920
S2_PASUB	-0.019991140	0.070036515	0.084188637	-0.124482866	0.082231369	-0.148880485	0.541101022	0.107178397
S2_SUBSY	0.328325770	0.066622907	0.107307243	0.342487724	0.103259810	-0.208511920	0.107178397	1.019733121
S2BURY	0.045654543	0.007690302	0.010554370	0.062625573	-0.083222409	-0.024499809	0.024680838	-0.068742054
S5_ADDRS	-0.020146297	0.029449919	0.025979421	-0.030525145	-0.035576342	-0.093713008	0.053003303	0.046539206
S5_BURY	0.054688133	0.007812683	0.022052953	0.065388994	0.021341907	0.174227838	0.025073601	0.088623678
S5_HEADA	0.622816865	0.026686139	0.129843984	0.437357119	0.143921296	0.093318230	-0.037420322	0.315174847
S5_MILES	-0.029340092	0.051047870	0.069875389	-0.016283850	-0.042930699	-0.114162233	0.101588057	0.066750113
S5_PABOV	0.390541304	0.025317629	0.153787102	0.683379304	1.670655224	0.301421753	0.074430292	0.100037372
S5_PASUB	0.024789223	0.046628997	0.049804325	-0.045311442	0.093977211	-0.081802435	0.519979834	0.102485229
S5_SUBFR	0.297039418	0.082792705	0.139245216	0.249976048	0.109762875	-0.560017115	0.152641396	0.914253794
S6_FPAID	-0.017459033	0.046126436	0.065839193	0.047276058	-0.034075123	-0.093452730	0.052599845	0.076957410
S7_FYACB	-0.031647641	0.069864666	0.115258520	0.088003457	-0.047954101	-0.140337155	0.076194381	0.084295904
S7_FYARC	-0.035962895	0.058079199	0.060862390	-0.037546886	-0.055433704	-0.157403286	0.100637929	0.082166619
S7_TOTAC	0.209425261	0.101728098	0.250047341	0.184334817	0.138427262	-0.140291717	0.347069280	0.283082106
S7_TDTV	-0.150742431	0.002914453	-0.025270753	-0.200340993	-0.032830372	-0.184349381	0.168496414	0.170913504
S7_TLTV	0.102622115	-0.000657878	0.000447444	0.133180988	0.115709165	0.115074492	0.032471454	0.015636606
S7_TSAT	0.162243654	0.097725122	0.225062751	0.105492781	-0.029019457	-0.201010018	0.343981408	0.258271998

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Principal Component Analysis

Covariance Matrix

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
S2_AGEHE	0.045654543	-0.020146297	0.054688133	0.622816865	-0.029340092	0.390541304	0.024789223	0.297039418
S2_ASUBS	0.007690302	0.029449919	0.007812683	0.026686139	0.051047870	0.025317629	0.046628997	0.082792705
S2_MILES	0.010554370	0.025979421	0.022052953	0.129843984	0.069875389	0.153787102	0.049804325	0.139245216
S2_MSONU	0.062625573	-0.030525145	0.065388994	0.437357119	-0.016283850	0.683379304	-0.045311442	0.249976048
S2_PABOV	-0.083222409	-0.035576342	0.021341907	0.143921296	-0.042930699	1.670655224	0.093977211	0.109762875
S2_PARTM	-0.024499809	-0.093713008	0.174227838	0.093318230	-0.114162233	0.301421753	-0.081802435	-0.560017115
S2_PASUB	0.024680838	0.053003303	0.025073601	-0.037420322	0.101588057	0.074430292	0.519979834	0.152641396
S2_SUBSY	-0.068742054	0.046539206	0.088623678	0.315174847	0.066750113	0.100037372	0.102485229	0.914253794
S2BURY	0.182627646	0.003467291	-0.003947530	0.045445830	0.010640688	0.109930888	0.023374019	-0.069480422
S5_ADDRS	0.003467291	0.058246792	0.003522468	-0.019642150	0.085769773	-0.027087144	0.058168361	0.043418600
S5_BURY	-0.003947530	0.003522468	0.180486453	0.054689899	0.010590706	0.021934758	0.023745906	0.073465604
S5_HEADA	0.045445830	-0.019642150	0.054689899	0.635122471	-0.027357686	0.363665615	0.028296243	0.252652170
S5_MILES	0.010640680	0.085769773	0.010590706	-0.027357686	0.151534885	-0.041345110	0.104288288	0.052227822
S5_PABOV	0.109930888	-0.027087144	0.021934758	0.363665615	-0.041345110	1.943876687	0.088016220	0.179616950
S5_PASUB	0.023374019	0.058168361	0.023745906	0.028296243	0.104288288	0.088016220	0.557770168	0.108648186
S5_SUBFR	-0.069480422	0.043418600	0.073465604	0.252652170	0.052227822	0.179616950	0.108648186	1.696561887
S6_FPAID	0.006395621	0.067766322	0.006547177	-0.015778735	0.112797575	-0.023663670	0.054632143	0.062142792
S7_FYACB	0.008062303	0.088667622	0.009549534	-0.028816815	0.158209791	-0.037177895	0.069915111	0.063870994
S7_FYARC	0.006489242	0.107089721	0.006906595	-0.034790745	0.164984970	-0.041549592	0.106258101	0.075259472
S7_TOTAC	0.016380088	0.038797004	0.007406579	0.206570369	0.118024627	0.133480194	0.365654853	0.127905372
S7_TDTV	-0.150868077	0.022477751	0.017821970	-0.151890500	0.054845580	-0.213559740	0.167067120	-0.004195775
S7_TLTV	0.092807928	-0.006818238	0.018541371	0.118134802	0.030985396	0.099914422	0.056444082	-0.070020680
S7_TSAT	0.025374191	0.038205705	-0.013880455	0.149652414	0.094235963	0.017565018	0.351279715	0.151508936

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Principal Component Analysis

Covariance Matrix

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
S2_AGEHE	-0.017459033	-0.031647641	-0.035962895	0.209425261	-0.150742431	0.102622115	0.162243654
S2_ASUBS	0.046126436	0.069864666	0.058079199	0.101728090	0.002914453	-0.000657878	0.097725122
S2_MILES	0.065839193	0.115258520	0.060862390	0.250067341	-0.025270753	0.000447444	0.225062751
S2_MSONU	0.047276058	0.088803457	-0.037546886	0.184354817	-0.200340993	0.133180988	0.105492781
S2_PABOV	-0.034875123	-0.047986101	-0.055433704	0.138427262	-0.032830372	0.115709165	-0.029019457
S2_PARTM	-0.093452730	-0.140337155	-0.157403286	-0.140291717	-0.184349381	0.115874492	-0.201010018
S2_PASUB	0.052599845	0.076194381	0.100637929	0.347069280	0.168496414	0.032471454	0.343981408
S2_SUBSY	0.076957410	0.084295904	0.082166619	0.283082106	0.170913504	0.015636606	0.258271998
S2BURY	0.006395421	0.008062303	0.006489242	0.016380088	-0.150868077	0.092807928	0.025374191
S5_ADDRS	0.067766322	0.088667622	0.107089721	0.038797004	0.022477751	-0.006818238	0.038205705
S5_BURY	0.086547177	0.089849534	0.086986595	0.007406579	0.017821970	0.018541371	-0.013888455
S5_HEADA	-0.015778735	-0.028016815	-0.034798745	0.206570369	-0.151090580	0.118134802	0.149682414
S5_MILES	0.112797573	0.158209791	0.164984970	0.118024627	0.054045580	0.030985396	0.094235963
S5_PABOV	-0.023663670	-0.037177093	-0.041549592	0.133480194	-0.213559740	0.099914422	0.017565018
S5_PASUB	0.054632143	0.069915111	0.106258101	0.365654853	0.167067120	0.056444082	0.351279715
S5_SUBFR	0.062142792	0.063870994	0.075259472	0.127905372	-0.004195775	-0.070020680	0.151508956
S6_FPAID	0.099830843	0.142749715	0.128750171	0.085940440	0.026313519	0.020172387	0.069561367
S7_FYACB	0.142749715	0.226378251	0.171480145	0.143836357	0.073568998	0.024524926	0.118075318
S7_FYARC	0.128750171	0.171480145	0.201427938	0.077027631	0.030068783	0.001987746	0.065932271
S7_TOTAC	0.085940440	0.143836357	0.077027631	0.727961042	0.200310013	0.202839559	0.647542032
S7_TDTV	0.026313519	0.073568998	0.030068783	0.200310013	0.723366595	-0.225454228	0.167429772
S7_TLTV	0.020172387	0.024524926	0.001987746	0.202839559	-0.225454228	0.746910795	-0.020091140
S7_TSAT	0.069561367	0.118075318	0.065932271	0.647542032	0.167429772	-0.020091140	0.727173070

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Principal Component Analysis

Total Variance = 16.215933926

Eigenvalues of the Covariance Matrix

	Eigenvalue	Difference	Proportion	Cumulative
COST1	4.39560	1.28146	0.271066	0.27107
COST2	3.11414	1.11994	0.192042	0.46311
COST3	1.99419	0.26942	0.122977	0.58609
COST4	1.72478	0.74414	0.106363	0.69245
COST5	0.98064	0.13774	0.060474	0.75292
COST6	0.84291	0.08735	0.051980	0.80490
COST7	0.75555	0.16613	0.046593	0.85150
COST8	0.58943	0.09220	0.036349	0.88784
COST9	0.49723	0.07785	0.030663	0.91851
COST10	0.41937	0.15133	0.025862	0.94437
COST11	0.26805	0.05037	0.016530	0.96090
COST12	0.21767	0.05183	0.013423	0.97432
COST13	0.16584	0.05581	0.010227	0.98455
COST14	0.11003	0.05961	0.006785	0.99134
COST15	0.05042	0.01749	0.003110	0.99444
COST16	0.03294	0.01213	0.002031	0.99648
COST17	0.02080	0.00152	0.001283	0.99776
COST18	0.01929	0.00982	0.001189	0.99895
COST19	0.00947	0.00644	0.000584	0.99953
COST20	0.00303	0.00037	0.000187	0.99972
COST21	0.00266	0.00104	0.000164	0.99988
COST22	0.00162	0.00134	0.000100	0.99998
COST23	0.00028	.	0.000017	1.00000

CLUSUNWT=4

Principal Component Analysis

Eigenvectors

	COST1	COST2	COST3	COST4	COST5	COST6	COST7	COST8	COST9	COST10	COST11	COST12
S2_AGEHE	0.212375	0.120313	-.230719	0.124795	-.285741	-.306239	-.263124	0.029448	0.105947	0.234613	0.129009	-.133146
S2_ASUBS	0.022475	0.071661	0.029083	0.040988	-.017835	0.088684	-.061127	-.080157	0.163416	-.096909	0.116779	0.041994
S2_MILES	0.080922	0.113331	0.009250	0.141670	-.024038	0.119758	-.280176	0.083701	0.356316	-.430238	0.450132	0.155711
S2_MHONU	0.373284	0.012772	-.480477	0.324675	0.466403	0.397390	0.006824	-.070544	-.305807	0.095012	0.054145	-.104824
S2_PABOV	0.536525	-.251570	0.371132	-.244117	0.063322	-.042336	0.097456	0.223532	-.016687	-.124473	-.024647	-.426101
S2_PARTM	0.107159	-.356395	-.104338	0.285245	0.208078	-.388535	0.420143	-.194842	0.365103	-.211447	-.025408	0.048678
S2_PASUB	0.043312	0.188737	0.322556	0.150951	-.018813	-.018458	0.206068	-.410352	-.043799	0.176937	0.084588	0.000340
S2_SUBSY	0.179361	0.403805	-.160474	-.138106	0.156171	-.238758	0.229645	0.288881	0.144396	0.058813	-.517968	0.222528
S2BURY	0.013932	-.015642	-.027630	0.079273	-.185333	0.150007	-.052810	-.144244	-.048490	0.101908	-.183038	0.505110
S5_ADDRS	-.007733	0.054841	0.045409	0.006846	0.006353	0.126078	0.004920	0.021667	0.188221	0.123867	-.078865	-.064148
S5_BURY	0.029822	0.010521	-.047558	0.020483	0.059387	-.128681	0.176062	-.064865	0.251025	0.010705	0.146390	0.172879
S5_HEADA	0.206753	0.107977	-.245389	0.149383	-.273722	-.306729	-.242207	0.052803	0.091705	0.288010	0.097765	-.196946
S5_MILES	-.003829	0.090724	0.081873	0.058032	0.017561	0.205074	0.041183	0.071585	0.297959	0.139645	-.041704	-.074790
S5_PABOV	0.595624	-.220313	0.193213	-.133377	-.094386	0.097921	-.191632	-.131123	0.040831	0.122254	-.041006	0.486250
S5_PASUB	0.058568	0.176699	0.295959	0.212131	-.010531	-.055994	0.223560	-.404308	-.066444	0.300750	0.036003	-.154718
S5_SUBFR	0.196460	0.524755	-.194626	-.512681	-.032653	0.030664	0.220483	-.262253	-.040160	-.217194	0.254292	-.034078
S6_FPAID	0.085181	0.074827	0.034276	0.041364	0.036917	0.200024	0.018826	0.080264	0.239302	0.082628	-.059145	-.060966
S7_FYACB	0.006617	0.105750	0.058451	0.079969	0.083063	0.299404	-.007158	0.147003	0.317257	0.088752	0.018918	-.053865
S7_FYARC	-.009357	0.097615	0.088484	0.022646	0.009675	0.250257	0.023824	0.043238	0.368033	0.214779	-.121046	-.132320
S7_TOTAC	0.132082	0.265698	0.216534	0.382821	-.055052	-.054726	-.017154	0.210935	-.122126	-.255536	0.003585	-.006576
S7_TDTV	-.064386	0.141279	0.261177	0.002534	0.508805	-.275418	-.052841	0.349569	-.115877	0.304308	0.419576	0.276499
S7_TLTV	0.072739	-.024462	-.045259	0.203031	-.483948	0.181172	0.572792	0.416599	-.202262	0.037904	0.213336	0.126252
S7_TSAT	0.077675	0.287319	0.206592	0.342214	0.012900	-.083580	-.201188	-.038777	-.130195	-.381351	-.327566	-.014340

CLUSUNWT=4

Principal Component Analysis

Eigenvectors

	COST13	COST14	COST15	COST16	COST17	COST18	COST19	COST20	COST21	COST22	COST23
S2_AGEHE	0.004073	0.010739	0.015036	-.125800	0.170542	0.299458	0.115992	-.553568	-.235257	-.121212	-.023916
S2_ASUBS	-.201082	0.078093	-.039570	-.080613	0.209857	0.324844	0.614358	0.230923	0.505098	-.188353	0.039262
S2_MILES	-.448575	0.082334	0.061705	0.158137	0.042385	-.231749	-.183721	-.061478	-.139550	0.065103	-.009043
S2_MHONU	-.060953	0.097138	-.021016	0.046536	0.036838	0.044471	-.016265	0.001079	-.011943	0.004029	0.003672
S2_PABOV	-.073137	0.239380	0.323193	0.039521	0.125704	0.028255	0.001545	0.011705	-.047297	0.024750	-.007447
S2_PARTM	0.147743	-.321096	0.138150	-.021436	0.045775	0.077338	0.050397	0.048023	-.033429	0.083174	0.003180
S2_PASUB	-.284750	0.097803	-.048070	-.329831	-.029098	0.439034	-.269439	0.211019	-.157075	0.288618	0.022204
S2_SUBSY	-.427259	0.046905	-.038499	-.021843	-.068387	-.064265	-.034908	-.035944	0.025486	-.038657	0.011593
S2BURY	0.088866	0.171111	0.710968	0.152655	0.128093	0.064516	0.064441	0.040734	-.094653	0.026884	-.024027
S5_ADDRS	0.068740	-.032262	-.188580	0.211947	0.123796	-.006856	0.203859	0.102870	-.334382	0.154743	0.807920
S5_BURY	0.313442	0.808076	-.241532	0.037459	-.055977	-.093481	-.021593	-.042034	0.030785	-.007003	-.010777
S5_HEADA	0.054542	-.089532	0.113093	0.026798	-.076325	-.232866	-.143985	0.570764	0.204861	0.166195	0.016265
S5_MILES	0.153144	-.098624	0.072587	0.251654	0.094968	0.251632	-.536948	-.218784	0.513010	-.121789	0.168078
S5_PABOV	0.108981	-.224948	-.359726	-.051786	-.186924	-.058097	-.007235	-.008431	0.065663	-.024570	0.006139
S5_PASUB	-.134870	-.054869	0.058658	0.207443	-.014775	-.585458	0.224682	-.248840	0.158883	-.190369	-.016049
S5_SUBFR	0.314842	-.175958	0.105948	0.026814	0.036549	0.033772	0.033645	0.039576	-.020643	0.008674	-.005014
S6_FPAID	0.098185	-.060956	0.046035	-.135499	-.081034	-.066858	0.233478	-.256290	0.161831	0.802981	-.189699
S7_FYACB	0.176212	-.044849	0.214384	-.671312	-.150998	-.238530	-.088459	0.038913	-.111365	-.346136	0.076110
S7_FYARC	0.085120	-.079112	-.161931	0.353558	0.122200	0.126902	0.098849	0.257177	-.379019	-.147091	-.518695
S7_TOTAC	0.203071	-.036062	0.055107	0.210233	-.645636	0.231181	0.142322	-.086165	-.041153	-.064522	0.035291
S7_TDTV	0.121507	-.129918	0.093131	0.036076	0.201978	0.016399	0.021974	0.043317	-.035244	0.068127	-.028658
S7_TLTV	-.008372	-.065418	-.123929	-.044936	0.224702	-.066910	-.022280	0.018714	-.013558	0.022198	-.012243
S7_TSAT	0.278553	0.006082	-.135031	-.127323	0.535881	-.138916	-.087560	0.044260	0.005224	0.051491	-.042374

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Principal Component Analysis

165 Observations
23 Variables

Simple Statistics

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
Mean	-.4648180301	-.3910091298	-.4103122412	-.1012817196	0.2544329262	-0.070712141	-.5875156008	-.2657431340
StD	0.5665477819	0.0318638452	0.1871138866	0.8437569142	0.9011412144	1.080913288	0.1416496834	0.9917968653

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
Mean	-.3338870903	-.2086715449	-.3795659701	-.4680666908	-.1813805427	0.1476954415	-.5769832646	-.1929708359
StD	0.3967876243	0.0174395032	0.0000000000	0.5497513802	0.4385378908	0.9593633085	0.2215117413	0.9136571884

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
Mean	-.1988913900	-.1721968670	-.1892778543	-.5980058754	-.1462076474	-.3217585143	-.5479272562
StD	0.0689071463	0.1029575233	0.0468845675	0.7798969509	0.9494727390	0.8337508359	0.7897958434

Covariance Matrix

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
S2_AGEHE	0.320976389	-0.000479337	0.010108713	0.031688985	0.004913410	0.076667774	-0.005959802	-0.013511954
S2_ASUBS	-0.000479337	0.001015305	0.001756040	0.004376835	-0.000469144	0.002525222	0.003621911	0.007319202
S2_MILES	0.010108713	0.001756040	0.035011607	0.007268610	-0.020463596	0.022151609	0.006501874	0.018369109
S2_MSONU	0.031688985	0.004376835	0.007268610	0.711925730	0.029451742	0.227349643	0.026647730	0.034905020
S2_PABOV	0.004913410	-0.000469144	-0.020463596	0.029451742	0.812055488	0.135602482	0.004250767	-0.076271262
S2_PARTM	0.076667774	0.002525222	0.022151609	0.227349643	0.135602482	1.168373537	0.008004586	-0.049716020
S2_PASUB	-0.005959802	0.003621911	0.006501874	0.026647730	0.004250767	0.008004586	0.020064633	0.036939565
S2_SUBSY	-0.013511954	0.007319202	0.018369109	0.034905020	-0.076271262	-0.049716020	0.036939565	0.983661022
S2BURY	0.030932739	-0.000336501	0.001498874	-0.026723976	0.015787946	-0.032680898	-0.001797523	0.005486272
S5_ADDRS	-0.000808569	0.000264980	0.000302957	0.004128127	0.000158954	0.000780741	0.001485118	0.003030881
S5_BURY	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
S5_HEADA	0.284093181	-0.000298942	0.011626955	0.047851202	0.001508335	0.067548426	-0.005071382	-0.015391636
S5_MILES	0.000005244	-0.000075414	0.008655178	-0.009502840	0.010363562	-0.011039410	0.001357788	-0.041359439
S5_PABOV	0.047796826	0.002472131	0.002229088	0.060371158	0.686529555	0.110711897	0.011178832	-0.167705003
S5_PASUB	-0.009127294	0.004686213	0.007869555	0.043399710	0.002059048	0.013591543	0.023970424	0.038138876
S5_SUBFR	-0.049333963	0.005024247	-0.016496927	-0.052414526	-0.052143758	-0.060793085	0.028075345	0.796834783
S6_FPAID	-0.001162382	0.000284188	0.002337493	0.001836280	-0.007774147	-0.000959681	0.001763161	0.005636496
S7_FYACB	-0.003172418	0.001390486	0.002236382	0.030965079	0.003684118	0.006128554	0.006217883	0.017058593
S7_FYARC	-0.001137374	0.000257615	0.002476771	0.003472283	-0.005418483	0.002291194	0.001346581	0.002586604
S7_TOTAC	-0.024542135	0.004797585	0.086864856	0.098174390	-0.022212830	-0.019958130	0.027928947	0.067448718
S7_TDTV	0.011802279	0.000434186	0.000714592	-0.087629226	0.072025690	0.201388551	0.007147080	0.054388181
S7_TLTV	-0.016158910	0.001811707	0.042157460	0.133981585	-0.038914161	-0.002041233	0.008257950	-0.074038433
S7_TSAT	-0.100062637	0.003922599	0.060340958	0.026850613	-0.085366698	-0.099794317	0.022091431	0.069803321

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Principal Component Analysis

Covariance Matrix

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
S2_AGEHE	0.030932739	-0.000808569	0.000000000	0.284093181	0.000005244	0.047796826	-0.009127294	-0.049333963
S2_ASUBS	-0.000336501	0.000264980	0.000000000	-0.000298942	-0.000075414	0.002472131	0.004686213	0.005024247
S2_MILES	0.001498874	0.000302957	0.000000000	0.011626955	0.008655178	0.002229088	0.007869555	-0.016496927
S2_MSONU	-0.026723976	0.004128127	0.000000000	0.047851202	-0.009502840	0.060371158	0.043399710	-0.052414526
S2_PABOV	0.015787946	0.000158954	0.000000000	0.001508335	0.010363562	0.686529555	0.002059048	-0.052143758
S2_PARTM	-0.032680898	0.000780741	0.000000000	0.067548426	-0.011039410	0.110711897	0.013591543	-0.060793085
S2_PASUB	-0.001797523	0.001485118	0.000000000	-0.005071382	0.001357788	0.011178832	0.023970424	0.028075345
S2_SUBSY	0.005486272	0.003030881	0.000000000	-0.015391636	-0.041359439	-0.167705003	0.038138876	0.796834783
S2BURY	0.157440419	-0.000140163	0.000000000	0.033272042	0.009775905	0.018367363	-0.002508447	0.002533520
S5_ADDRS	-0.000140163	0.000304136	0.000000000	-0.000746901	0.000526215	0.000608336	0.001779697	0.002363085
S5_BURY	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
S5_HEADA	0.033272042	-0.000746901	0.000000000	0.302226580	0.003684441	0.045724625	-0.007909972	-0.057345494
S5_MILES	0.009775905	0.000526215	0.000000000	0.003684441	0.192315482	0.014261042	0.001853274	-0.031811312
S5_PABOV	0.018367363	0.000608336	0.000000000	0.045724625	0.014261042	0.920377958	0.014449392	-0.156772542
S5_PASUB	-0.002508447	0.001779697	0.000000000	-0.007909972	0.001853274	0.014449392	0.049067452	0.014163564
S5_SUBFR	0.002533520	0.002363085	0.000000000	-0.057345494	-0.031811312	-0.156772542	0.014163564	0.834769458
S6_FPAID	0.003448390	0.000500709	0.000000000	-0.000510723	0.005760969	-0.005172917	0.001563247	0.004923813
S7_FYACB	0.001058186	0.001437335	0.000000000	-0.002582329	0.002351858	0.005545056	0.005897648	0.013228773
S7_FYARC	0.000453172	0.000292696	0.000000000	-0.000678936	0.002759526	-0.002741776	0.001420987	0.001686613
S7_TOTAC	0.010348660	0.002366411	0.000000000	-0.001523849	0.047922796	0.018879188	0.033538161	-0.020732881
S7_TDTV	-0.005411429	-0.000335965	0.000000000	0.018619427	0.119582262	0.046883479	-0.003784747	0.038390843
S7_TLTV	0.000485612	0.000641620	0.000000000	0.001958471	-0.014661100	0.011051424	0.026410485	-0.115248886
S7_TSAT	0.017737265	0.002276702	0.000000000	-0.077418872	0.046524820	-0.076139431	0.020008659	0.034269231

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Principal Component Analysis

Covariance Matrix

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
S2_AGEHE	-0.001162382	-0.003172418	-0.001137574	-0.024542135	0.011802279	-0.016158910	-0.100062637
S2_ASUBS	0.000284188	0.001394486	0.000257615	0.004797585	0.000434186	0.001811707	0.003922599
S2_MILES	0.002337493	0.002236382	0.002476771	0.006464856	0.000714592	0.042157460	0.068340958
S2_MBONU	0.001836280	0.030965079	0.003472283	0.098174390	-0.087629226	0.133981585	0.026850613
S2_PABOV	-0.007774147	0.003604118	-0.005418483	-0.022212830	0.072025690	-0.038914161	-0.085366698
S2_PARTN	-0.000959681	0.006128554	0.002291194	-0.019958130	0.201388551	-0.002041233	-0.099794317
S2_PASUB	0.001763161	0.006217083	0.001346581	0.027928947	0.007147080	0.008257950	0.022091431
S2_SUBSY	0.005636496	0.017058595	0.002586604	0.067448718	0.054588181	-0.074038433	0.069803321
S2BURY	0.003448390	0.001058186	0.000453172	0.010348660	-0.008411429	0.000485612	0.017737265
S5_ADDRS	0.000500709	0.001437335	0.000292696	0.002366411	-0.000335965	0.000641620	0.002276702
S5_BURY	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
S5_MEADA	-0.000510723	-0.002582329	-0.000678936	-0.001523049	0.018619427	0.001958471	-0.077418872
S5_MILES	0.005760969	0.002351858	0.002759526	0.047922796	0.119582262	-0.014661100	0.046524820
S5_PABOV	-0.005172917	0.005546056	-0.002741776	0.018879188	0.046485479	0.011051424	-0.076139431
S5_PASUB	0.001563247	0.005097648	0.001420987	0.033538161	-0.003784747	0.026410485	0.020008659
S5_SUBFR	0.004923813	0.013228773	0.001686613	-0.020732881	0.038390043	-0.115248806	0.034269231
S6_FPAID	0.004748195	0.002596065	0.002802303	0.006990509	-0.005887468	0.015944019	0.021687439
S7_FYACB	0.002596065	0.010600252	0.001952798	0.015940545	-0.001874583	0.006186928	0.016277072
S7_FYARC	0.002802303	0.001952798	0.002198163	0.005969454	-0.004180767	0.013008365	0.015250447
S7_TOTAC	0.006990509	0.015940545	0.005969454	0.608239254	0.044558023	0.281291710	0.433874659
S7_TDTV	-0.005887468	-0.001874583	-0.004180767	0.044558023	0.901490482	-0.400770890	0.017432009
S7_TLTV	0.015944019	0.006186928	0.013008365	0.281291710	-0.400770890	0.695140456	0.230414709
S7_TSAT	0.021687439	0.016277072	0.015250447	0.433874659	0.017432009	0.230414709	0.623777474

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Principal Component Analysis

Total Variance = 9.3557874705

Eigenvalues of the Covariance Matrix

	Eigenvalue	Difference	Proportion	Cumulative
COST1	1.96049	0.370539	0.209548	0.20955
COST2	1.58995	0.249690	0.169943	0.37949
COST3	1.34026	0.134645	0.143255	0.52275
COST4	1.20561	0.183091	0.128863	0.65161
COST5	1.02252	0.416435	0.109293	0.76090
COST6	0.60609	0.064827	0.064782	0.82568
COST7	0.54126	0.296586	0.057853	0.88354
COST8	0.24467	0.063116	0.026152	0.90969
COST9	0.18156	0.018289	0.019406	0.92910
COST10	0.16327	0.012914	0.017451	0.94655
COST11	0.15036	0.008308	0.016071	0.96262
COST12	0.14205	0.048347	0.015183	0.97780
COST13	0.09370	0.041450	0.010015	0.98782
COST14	0.05225	0.025835	0.005585	0.99340
COST15	0.02642	0.009519	0.002823	0.99622
COST16	0.01690	0.007003	0.001806	0.99803
COST17	0.00989	0.005116	0.001057	0.99909
COST18	0.00478	0.001711	0.000511	0.99960
COST19	0.00307	0.002728	0.000328	0.99993
COST20	0.00034	0.000035	0.000036	0.99996
COST21	0.00030	0.000242	0.000032	0.99999
COST22	0.00006	0.000060	0.000006	1.00000
COST23	0.00000	.	0.000000	1.00000

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Principal Component Analysis

Eigenvectors

	COST1	COST2	COST3	COST4	COST5	COST6	COST7	COST8	COST9	COST10	COST11	COST12
S2_AGEHE	0.060039	0.052945	-.029909	0.078445	-.116486	0.570838	0.354840	-.098613	0.062358	-.047415	-.055105	-.131905
S2_ASUBS	-.002718	0.002122	0.007962	0.001372	0.000765	0.001882	-.002981	-.001216	-.011053	0.013722	0.001291	0.000980
S2_MILES	-.006145	-.028454	0.064338	0.032166	0.050147	0.030597	0.054864	-.027670	-.108465	0.047919	0.103526	0.019847
S2_MBONU	0.081815	-.017293	0.325766	0.275183	-.237309	0.368511	-.771571	-.007721	0.086829	-.011372	-.053292	0.024294
S2_PABOV	0.379415	0.318559	0.271445	-.383310	-.007399	-.100777	-.004479	-.036830	0.340113	-.616248	0.115018	-.051128
S2_PARTH	0.262009	0.349135	0.221862	0.723947	-.172516	-.343354	0.256506	-.121054	0.010290	0.063973	0.046162	0.008304
S2_PASUB	-.014285	0.011969	0.042991	0.003754	0.009908	0.008649	-.028965	0.000496	-.038481	0.040432	0.015847	0.004901
S2_SUBSY	-.540196	0.369565	0.290881	-.085306	-.130571	0.092214	0.038907	0.074322	-.133109	-.000994	0.048791	0.081777
S2BURY	0.000568	-.002819	0.005083	-.037824	0.016566	0.083520	0.097024	-.120580	0.353491	0.134669	0.008505	0.906013
S5_ADDRS	-.001267	0.000584	0.004184	0.000087	0.000097	0.000967	-.005354	-.002161	0.000213	0.004919	0.003045	-.000586
S5_BURY	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000
S5_HEADA	0.066506	0.037746	-.010530	0.082013	-.093566	0.571956	0.325941	-.070398	0.070523	-.052684	-.069983	-.095984
S5_MILES	0.022540	0.009296	-.002313	0.016255	0.163616	0.059589	-.018621	0.231028	0.562305	0.427613	0.577432	-.257604
S5_PABOV	0.461124	0.256603	0.302143	-.405705	0.006861	0.053110	0.023487	-.004683	-.305550	0.582521	-.144877	0.006012
S5_PASUB	-.009590	0.002150	0.056163	0.018790	-.001020	0.009642	-.046446	0.038257	-.069231	0.059815	0.037409	0.033193
S5_SUBFR	-.494565	0.360556	0.194768	-.130578	-.136434	-.080338	0.064951	0.010306	0.152469	0.089292	-.055405	-.111270
S6_FPAID	-.007098	-.009941	0.013905	0.003611	0.005670	-.002264	0.008148	-.001760	0.051736	0.039695	-.032853	-.007619
S7_FYACB	-.005656	0.003058	0.029167	0.006203	0.000266	0.011737	-.035838	-.017526	0.013187	0.020848	0.005601	0.004988
S7_FYARC	-.003500	-.007579	0.011487	0.004915	0.003336	-.002810	0.004106	0.001233	0.025702	0.024860	-.027013	-.012370
S7_TOTAC	-.053091	-.196096	0.445975	0.075376	0.405144	0.133124	0.100963	-.067995	-.395349	-.180458	0.522104	0.125318
S7_TDTV	0.032407	0.425838	-.159694	0.201568	0.661520	0.157248	-.108582	0.432360	-.017956	-.082530	-.274386	0.072615
S7_TLTV	0.029829	-.405762	0.421966	0.031489	-.160477	-.072654	0.244971	0.689177	0.112548	-.045854	-.266675	0.036266
S7_TSAT	-.130014	-.232418	0.372182	0.034694	0.445678	-.076614	0.035554	-.476039	0.318410	0.104260	-.425103	-.199354

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Principal Component Analysis

Eigenvectors

	COST13	COST14	COST15	COST16	COST17	COST18	COST19	COST20	COST21	COST22	COST23
S2_AGEHE	-.032851	0.064960	0.688740	-.064598	-.003182	-.006254	0.000010	0.000585	0.001555	0.000322	0.00000
S2_ASUBS	0.012710	0.089187	-.004734	0.037816	0.060401	-.104623	-.059513	0.013718	0.979198	0.113523	0.00000
S2_MILES	0.156174	0.022681	0.071188	0.937922	-.191353	0.074259	-.085965	-.040292	-.027616	0.001579	0.00000
S2_MBONU	-.078695	-.050507	0.022706	0.035041	-.043292	-.002859	0.013403	-.001379	0.002999	0.000934	0.00000
S2_PABOV	0.078739	0.054331	0.082371	0.054758	-.005461	0.005013	0.007135	0.000501	0.004435	0.000917	0.00000
S2_PARTH	0.014306	-.011022	-.012292	-.033387	0.004549	-.003980	-.001812	-.000361	-.000983	-.000447	0.00000
S2_PASUB	0.038668	0.469315	-.018353	0.184258	0.286675	-.799075	0.134588	0.020100	-.139009	-.043445	0.00000
S2_SUBSY	0.611488	-.168852	0.004685	-.115781	0.039613	-.028158	0.005262	0.004362	-.000126	0.000143	0.00000
S2BURY	-.048357	0.005612	0.020037	0.005822	-.014999	-.012168	-.007183	0.007762	-.000126	0.003147	0.00000
S5_ADDRS	0.001922	0.033779	0.000397	0.005626	0.109670	0.023300	-.004967	-.175265	-.118058	0.970301	0.00000
S5_BURY	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	0.000000	1.00000
S5_HEADA	-.017331	0.004769	-.718401	0.041676	0.004083	0.008539	-.010498	-.000079	-.003626	0.000281	0.00000
S5_MILES	0.111588	-.036044	-.003632	-.037908	-.012679	-.021033	-.020913	0.004996	0.000335	0.000127	0.00000
S5_PABOV	-.040562	-.071394	-.003302	-.041128	-.002759	0.001221	-.002268	-.000672	-.003820	-.000390	0.00000
S5_PASUB	0.166132	0.837407	-.039962	-.152122	-.266388	0.395243	-.048271	-.006963	-.017942	-.012436	0.00000
S5_SUBFR	-.678745	0.115050	-.009262	0.120366	-.063874	0.040749	-.009697	-.003942	-.001079	0.000494	0.00000
S6_FPAID	0.024554	0.030949	0.004646	0.091023	0.287058	0.244513	0.765712	-.487483	0.068579	-.115900	0.00000
S7_FYACB	-.005699	0.102069	0.014602	0.095567	0.816802	0.306804	-.447108	-.019107	-.044535	-.115460	0.00000
S7_FYARC	0.018026	0.023942	0.006138	0.097813	0.184956	0.178744	0.418742	0.853680	-.000095	0.129616	0.00000
S7_TOTAC	-.246373	-.037968	-.002204	-.117164	0.032402	0.016451	0.054656	0.008176	0.007714	-.001138	0.00000
S7_TDTV	-.035601	0.004097	0.022188	0.029348	-.001458	0.006266	-.005966	-.003058	0.000203	0.000980	0.00000
S7_TLTV	-.011683	-.008583	0.022597	0.017934	0.002117	-.015738	-.029723	-.005624	-.001776	0.001442	0.00000
S7_TSAT	0.139491	0.003418	0.005149	-.025039	-.041681	-.014512	-.046563	-.003780	-.003788	0.001545	0.00000

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Principal Component Analysis

82 Observations
23 Variables

Simple Statistics

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
Mean	-.3300551743	0.2301475819	0.1392532340	-.3560002693	-.2098867025	-0.168214410	1.349726104	-0.062638042
StD	0.7903999637	0.6902915696	0.6281011448	0.6143241260	0.8981910554	1.177919741	1.028567489	1.013175203

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
Mean	-.3155054032	-.0219261920	-.3062030123	-.4033178120	-.0309423717	-.0609817225	1.349644616	-.1277405792
StD	0.4595305991	0.2283048411	0.4668434238	0.6470312418	0.3378604812	0.8955915802	0.962725556	0.9808065773

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
Mean	-.0667273626	0.1001896975	-.0163637691	0.8435794594	0.072656893	0.464205512	0.7866865948
StD	0.2289027866	0.7318803006	0.3314363366	0.8260856948	1.016778028	1.088875858	0.9627257921

Covariance Matrix

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTM	S2_PASUB	S2_SUBSY
S2_AGEHE	0.624732103	0.175793489	0.181907775	0.045545488	0.029323295	0.160887406	-0.082446889	0.279462981
S2_ASUBS	0.175793489	0.476502451	0.307842215	0.034945798	-0.029588098	0.270935149	0.099704290	0.124909385
S2_MILES	0.181907775	0.307842215	0.394511048	0.032803897	-0.047949324	0.192428750	-0.166918473	0.125927747
S2_MSONU	0.045545488	0.034945798	0.032803897	0.377394132	-0.023360353	0.143212614	-0.033980757	0.029306420
S2_PABOV	0.029323295	-0.029588098	-0.047949324	-0.023360353	0.806747172	-0.156237393	0.140097602	0.195325502
S2_PARTM	0.160887406	0.270935149	0.192428750	0.143212614	-0.156237393	1.387494917	-0.282756159	0.371705049
S2_PASUB	-0.082446889	0.099704290	-0.166918473	-0.033980757	0.140097602	-0.282756159	1.057951079	-0.147335348
S2_SUBSY	0.279462981	0.124909385	0.125927747	0.029306420	0.195325502	0.371705049	-0.147335348	1.026523993
S2BURY	-0.059828755	-0.034248701	-0.038024032	-0.015340591	0.021440421	-0.074893725	0.086853173	-0.101209844
S5_ADDRS	0.015343390	0.019118392	-0.003358965	0.010916052	0.020425091	0.017285022	0.044397941	-0.008309327
S5_BURY	-0.060780851	-0.034795724	-0.038629135	-0.015584716	0.021781617	-0.076085560	0.088235327	-0.102828465
S5_HEADA	0.239803211	0.175702387	0.173157349	0.058409237	0.056518478	0.103665104	-0.052847366	0.092158623
S5_MILES	-0.026985258	-0.014536747	0.005200126	-0.010231472	-0.053650769	0.007351960	-0.071130342	-0.017746362
S5_PABOV	0.019242576	0.014294986	0.015993181	-0.046325130	0.670443269	-0.054682628	0.117903231	0.227285530
S5_PASUB	0.009493203	0.077492953	-0.069624260	-0.018706474	0.184309156	-0.250106479	0.847245132	-0.100502386
S5_SUBFR	0.214531356	0.083221506	0.070950860	0.074639426	0.205337190	0.259258210	-0.090473933	0.838916008
S6_FPAID	0.018380672	0.013777681	0.001236493	0.005794523	-0.015487387	0.042707574	-0.007092664	-0.017658427
S7_FYACB	-0.052625542	-0.017274858	-0.068307154	0.005884225	0.002294516	-0.102853876	0.081818300	-0.104952590
S7_FYARC	0.001928746	0.025685246	-0.006993325	0.003488482	-0.003561676	-0.002454585	0.015163088	-0.033871723
S7_TOTAC	0.003552762	0.060734974	0.035932686	-0.080568540	0.044382156	0.072051055	-0.205591827	-0.252260237
S7_TDTV	-0.025861569	-0.165043888	-0.084625106	-0.091746140	0.158804280	-0.330609883	0.051862966	0.079125830
S7_TLTV	0.046791160	0.209704845	0.105127985	-0.042306873	-0.068321488	0.217051075	-0.074972625	-0.298245015
S7_TSAT	-0.104830016	-0.060040808	-0.013795097	-0.106642926	-0.081399964	-0.004296179	-0.306391467	-0.263468240

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Principal Component Analysis

Covariance Matrix

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
S2_AGEHE	-0.059828755	0.015343390	-0.060780851	0.239803211	-0.026985258	0.019242576	0.009493203	0.214531356
S2_ASUBS	-0.034248701	0.019118392	-0.034795724	0.175702387	-0.014536747	0.014294986	0.077492953	0.083221506
S2_MILES	-0.038024032	-0.003358965	-0.038629135	0.173157349	0.005200126	0.015993181	-0.069624260	0.070950860
S2_MSONU	-0.015340591	0.010916052	-0.015584716	0.058409237	-0.010231472	-0.046325130	-0.018706474	0.074639426
S2_PABOV	0.021440421	0.020425091	0.021781617	0.056518478	-0.053650769	0.670443269	0.184309156	0.205337190
S2_PARTM	-0.074893725	0.017285022	-0.076085560	0.103665104	0.007351960	-0.054682628	-0.250106479	0.259258210
S2_PASUB	0.086853173	0.044397941	0.088235327	-0.052847366	-0.071130342	0.117903231	0.847245132	-0.090473933
S2_SUBSY	-0.101209844	-0.008309327	-0.102828465	0.092158623	-0.017746362	0.227285530	-0.100502386	0.838916008
S2BURY	0.211168372	0.009657046	0.214528838	-0.053582375	0.005997154	0.006708476	0.079459328	-0.071521906
S5_ADDRS	0.009657046	0.052123100	0.009818725	0.002854503	0.050451620	-0.005667579	0.054116401	0.014669257
S5_BURY	0.214528838	0.009818725	0.217942782	-0.054435068	0.006092590	0.006815232	0.080723819	-0.072660083
S5_HEADA	-0.053582375	0.002854503	-0.054435068	0.418649428	-0.040610605	0.071458403	0.039404096	-0.014695067
S5_MILES	0.005997154	0.050451620	0.006092590	-0.040610605	0.114149705	-0.080946490	-0.039409196	0.018077632
S5_PABOV	0.006708476	-0.005667579	0.006815232	0.071458403	-0.080946490	0.802004279	0.137931027	0.130641590
S5_PASUB	0.079459328	0.054116401	0.080723819	0.039404096	-0.039409196	0.137931027	0.926840497	-0.101416893
S5_SUBFR	-0.071521906	0.014669257	-0.072660083	-0.014695067	0.018077632	0.130641590	-0.101416893	0.961981542
S6_FPAID	-0.002357956	0.042341051	-0.002395480	-0.003970262	0.057063374	-0.036375613	-0.012660833	0.009413638
S7_FYACB	0.071457523	0.063753351	0.072594676	-0.034260276	0.048747426	-0.058985228	0.068197336	-0.039104192
S7_FYARC	-0.006146110	0.048277550	-0.006243917	-0.016718961	0.056967097	-0.030041745	0.001947890	0.001654606
S7_TOTAC	0.063290052	0.051733976	0.064297230	0.015243995	0.079732109	0.015018737	-0.199952608	-0.243885865
S7_TDTV	-0.081588941	-0.063883619	-0.081614227	0.056854868	-0.074915894	0.155922205	0.093894048	-0.060335368
S7_TLTV	-0.082038514	0.080483254	-0.083344049	0.022979392	0.089458758	-0.054175457	-0.055426938	-0.233466468
S7_TSAT	0.142315985	0.026057975	0.144580756	-0.071881069	0.110652927	-0.115271388	-0.311893663	-0.242216046

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Principal Component Analysis

Covariance Matrix

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
S2_ABEHE	0.018380672	-0.052625542	0.001928746	0.003352762	-0.025861569	0.046791160	-0.104830016
S2_ASUBS	0.013777681	-0.017274858	0.025685246	0.060734974	-0.165043888	0.209704845	-0.068040808
S2_MILES	0.001236493	-0.060307154	-0.006993325	0.035932686	-0.084625106	0.105127985	-0.013795097
S2_MSONU	0.005794523	0.005884225	0.003488482	-0.080568540	-0.091746140	-0.042306873	-0.106642926
S2_PABOV	-0.015487387	0.002294516	-0.003561676	0.044382156	0.158804280	-0.068321488	-0.081399964
S2_PARTM	0.042707574	-0.102053076	-0.002454585	0.072051055	-0.330609883	0.217051075	-0.004296179
S2_PASUB	-0.007092664	0.081818300	0.015163088	-0.205591827	0.051862966	-0.074972625	-0.306391467
S2_SUBSY	-0.017658427	-0.184952590	-0.033871723	-0.252260237	0.079125830	-0.298245015	-0.263468240
S2BURY	-0.002357956	0.071457523	-0.006146110	0.063290052	-0.001588941	-0.082038514	0.142315985
S5_ADDRS	0.042341051	0.063733351	0.048277550	0.051733976	-0.063883619	0.080483254	0.026057975
S5_BURY	-0.002395480	0.072894676	-0.006243917	0.064297230	-0.001614227	-0.083344049	0.144580756
S5_HEADA	-0.003970262	-0.034260276	-0.016718961	0.015243995	0.056854868	0.022979592	-0.071881069
S5_MILES	0.057063374	0.048747426	0.056967097	0.079752109	-0.074915594	0.089458758	0.110652927
S5_PABOV	-0.036375613	-0.058985228	-0.030041745	0.015018737	0.155922205	-0.054175457	-0.115271388
S5_PASUB	-0.012660833	0.068197336	0.001947890	-0.199952608	0.093894048	-0.055426938	-0.311893663
S5_SUBFR	0.009413638	-0.039104192	0.001654606	-0.243885865	-0.060335368	-0.233466468	-0.242216046
S6_FPAID	0.052396486	0.049369633	0.045675736	0.063695193	-0.060130384	0.076227705	0.048716491
S7_FYACB	0.049369633	0.535448774	0.068003451	0.123670473	-0.132666533	0.104355066	0.128769788
S7_FYARC	0.045675736	0.068003451	0.109850045	0.086148362	-0.087509609	0.136578208	0.060381943
S7_TOTAC	0.063695193	0.123670473	0.086148362	0.682417575	-0.051988166	0.459082647	0.666524714
S7_TDTV	-0.060130384	-0.132666533	-0.087509609	-0.051988166	1.033837559	-0.442987690	-0.038976641
S7_TLTV	0.076227705	0.104355066	0.136578208	0.459082647	-0.442987690	1.185650635	0.161161177
S7_TSAT	0.048716491	0.128769788	0.060381943	0.666524714	-0.038976641	0.161161177	0.926840951

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Principal Component Analysis

Total Variance = 14.383438624

Eigenvalues of the Covariance Matrix

	Eigenvalue	Difference	Proportion	Cumulative
COST1	2.78969	0.120859	0.193952	0.19395
COST2	2.66883	0.890109	0.185549	0.37950
COST3	1.77872	0.255324	0.123665	0.50317
COST4	1.52340	0.523675	0.105913	0.60908
COST5	0.99972	0.119062	0.069505	0.67858
COST6	0.88066	0.057311	0.061228	0.73981
COST7	0.82335	0.218912	0.057243	0.79705
COST8	0.60444	0.145559	0.042023	0.83908
COST9	0.45888	0.075673	0.031903	0.87098
COST10	0.38321	0.063359	0.026642	0.89762
COST11	0.31985	0.049658	0.022237	0.91986
COST12	0.27019	0.071582	0.018785	0.93865
COST13	0.19861	0.016466	0.013808	0.95245
COST14	0.18214	0.031290	0.012663	0.96512
COST15	0.15085	0.026057	0.010488	0.97560
COST16	0.12479	0.042631	0.008676	0.98428
COST17	0.08216	0.035664	0.005712	0.98999
COST18	0.04650	0.002300	0.003233	0.99323
COST19	0.04420	0.007642	0.003073	0.99630
COST20	0.03656	0.025708	0.002542	0.99884
COST21	0.01085	0.005024	0.000754	0.99960
COST22	0.00582	0.005825	0.000405	1.00000
COST23	0.00000	.	0.000000	1.00000

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Principal Component Analysis

Eigenvectors

	COST1	COST2	COST3	COST4	COST5	COST6	COST7	COST8	COST9	COST10	COST11	COST12
S2_AGEHE	0.095482	0.196762	0.117643	0.064188	0.297310	-.009799	0.429407	-.143515	0.228340	-.607642	-.192234	0.139751
S2_ASUBS	0.005974	0.147802	0.295502	0.046595	0.225372	0.189149	0.194859	-.130281	-.290426	0.427601	0.076632	-.024360
S2_MILES	-.011604	0.177955	0.106302	0.037250	0.286604	0.080278	0.184344	-.234617	-.275945	0.373061	0.026894	0.129972
S2_MBONU	0.031256	0.076037	0.055637	-.100197	0.002608	-.005324	-.066577	-.265988	0.362716	0.007646	0.822220	0.074966
S2_PABOV	0.238650	-.062295	0.011120	0.578406	-.082223	-.116747	-.191236	-.155471	0.099011	-.055762	0.084831	-.027925
S2_PARTM	-.057096	0.527314	0.260645	-.077130	0.049044	0.517958	-.536753	0.101887	0.181034	-.045790	-.123410	0.005183
S2_PASUB	0.233962	-.388301	0.436794	-.042059	-.108515	0.278086	0.051311	0.150310	-.119076	-.050146	0.083996	-.178291
S2_SUBSY	0.388663	0.391998	-.064354	0.092469	-.166152	0.073569	0.221516	0.217346	-.079737	0.054644	-.079987	-.038329
S2BURY	-.032715	-.092335	-.021083	0.042127	-.138804	0.225786	0.032630	-.196352	-.065801	-.025036	-.040024	0.557465
S5_ADDRS	-.020968	-.001267	0.069445	0.035599	-.067639	0.018673	0.060200	0.019316	0.087666	-.004871	0.042810	-.023467
S5_BURY	-.033236	-.093805	-.022150	0.042797	-.132885	0.229379	0.033150	-.199477	-.066848	-.025434	-.040661	0.566336
S5_HEADA	0.047573	0.088284	0.089192	0.080380	0.397472	0.022767	0.163718	-.247571	0.214288	0.022968	-.027904	-.248525
S5_MILES	-.073626	0.023473	-.080402	0.082731	-.108649	0.080399	0.088406	0.069142	0.010280	0.019938	0.064181	-.024672
S5_PABOV	0.235516	-.027714	0.025137	0.557651	0.030136	-.105779	-.317485	-.172880	-.061829	0.056857	-.119287	-.002311
S5_PASUB	0.238182	-.342848	0.416339	0.083933	0.023977	0.245385	0.098529	0.071946	0.016625	-.105341	0.025387	-.010931
S5_SUBFR	0.345706	0.346674	-.033850	0.055172	-.390881	-.028931	0.277644	0.188214	-.069782	0.014516	0.221977	0.076576
S6_FPAID	-.042538	0.019885	0.038266	0.015557	-.052739	0.015192	0.052847	0.031748	0.077598	-.013197	0.031995	-.050474
S7_FYACB	-.092991	-.076398	0.081256	0.057276	-.317264	0.063991	0.239060	-.113022	0.648243	0.445788	-.336905	-.028145
S7_FYARC	-.057423	0.004531	0.064536	0.030977	-.083588	-.029000	0.080760	0.061894	0.066590	0.017399	0.077925	-.078306
S7_TOTAC	-.354848	0.023195	-.010894	0.386584	0.014805	0.213315	0.149935	0.122404	-.008804	-.068765	0.134984	-.114386
S7_TDTV	0.206899	-.190644	-.400885	0.119160	0.480136	0.255040	0.034557	0.512764	0.234206	0.214816	0.110308	0.213029
S7_TLTV	-.378075	0.091115	0.456199	0.232589	0.050732	-.393569	0.012945	0.469116	0.051594	0.010053	0.070539	0.309819
S7_TSAT	-.395388	0.001771	-.226214	0.288615	-.151286	0.419516	0.211248	-.038308	-.181725	-.113203	0.120112	-.242814

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Principal Component Analysis

Eigenvectors

	COST13	COST14	COST15	COST16	COST17	COST18	COST19	COST20	COST21	COST22	COST23
S2_AGEHE	-.372015	0.074100	-.071639	0.034372	0.015597	0.082512	0.037294	0.096470	-.035718	-.021375	0.000000
S2_ASUBS	-.298589	-.081044	0.201280	0.093894	-.323851	-.423586	0.211507	0.148315	0.034053	0.008422	0.000000
S2_MILES	-.022560	0.347525	-.206885	-.170655	0.257382	0.484592	-.210549	-.112847	-.000380	-.013324	0.000000
S2_MBONU	-.066962	-.109976	-.260581	0.046324	-.044405	0.024588	0.030937	0.033749	-.013057	0.014759	0.000000
S2_PABOV	-.031790	0.220051	0.367619	-.285290	-.393447	0.262003	-.008644	0.112400	-.019146	0.007188	0.000000
S2_PARTM	-.034510	0.098101	0.072512	-.050340	0.050932	0.029808	-.031722	0.036929	-.027812	-.014198	0.000000
S2_PASUB	-.249029	-.296403	0.139874	0.187768	0.164828	0.434451	0.011911	0.021141	-.094151	-.047101	0.000000
S2_SUBSY	0.247492	-.221278	-.308688	0.197182	-.433596	0.212796	-.007436	-.035862	0.009453	0.029884	0.000000
S2BURY	0.138695	-.090400	0.105358	0.113454	-.033822	0.086948	-.016649	-.021690	-.010928	0.016642	0.712666
S5_ADDRS	0.075408	0.233239	0.072935	0.258223	-.009881	0.030794	0.124541	-.147410	0.572298	-.690332	0.000000
S5_BURY	0.140902	-.099966	0.107034	0.115260	-.034360	0.007059	-.016914	-.022035	-.011102	0.016906	-.701503
S5_HEADA	0.615355	-.301871	0.331375	0.078885	0.178951	0.017957	-.008303	0.017074	-.037146	0.006347	0.000000
S5_MILES	0.181158	0.460157	0.028082	0.339389	0.058684	0.066108	0.479943	0.147221	-.579636	-.089442	0.000000
S5_PABOV	-.090282	-.100583	-.350087	0.322053	0.403684	-.239565	0.050336	0.024310	0.008406	0.004303	0.000000
S5_PASUB	0.346020	0.341108	-.309022	-.306272	-.060161	-.349452	-.051398	-.036327	0.048276	0.084789	0.000000
S5_SUBFR	-.020077	0.017973	0.319484	-.241273	0.469196	-.215339	-.026601	-.038612	0.003529	-.005070	0.000000
S6_FPAID	0.003284	0.242359	0.125396	0.298144	0.051527	0.115036	0.232120	-.163199	0.468672	0.707230	0.000000
S7_FYACB	-.145866	-.043700	-.101926	-.103724	0.038903	0.020749	0.011751	0.039849	-.037998	0.005905	0.000000
S7_FYARC	-.011302	0.247404	0.142402	0.461403	-.084866	-.141312	-.774027	0.145123	-.109048	0.046116	0.000000
S7_TOTAC	-.073694	-.074267	-.002935	-.023309	-.067229	-.085192	-.035737	-.727870	-.223804	-.018451	0.000000
S7_TDTV	-.090754	0.052522	0.054884	0.027115	0.053611	-.002918	0.006585	0.096089	0.026504	-.009559	0.000000
S7_TLTV	0.139666	-.157153	-.051133	-.056903	0.036065	0.083167	0.023110	0.205490	0.061264	0.017910	0.000000
S7_TSAT	0.053462	-.040480	-.149424	-.116776	0.097049	0.046222	0.004494	0.510394	0.179522	0.015097	0.000000

Attachment 1-D

Analysis of Variance

Principal Component Analysis

420 Observations
23 Variables

Simple Statistics

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTH	S2_PASUB	S2_SUBSY
Mean	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
StD	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
Mean	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
StD	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
Mean	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000	0.000000000
StD	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000	1.000000000

Covariance Matrix

	S2_AGEHE	S2_ASUBS	S2_MILES	S2_MSONU	S2_PABOV	S2_PARTH	S2_PASUB	S2_SUBSY
S2_AGEHE	1.000000000	-0.058211712	0.045105918	0.178896087	0.097829786	0.135455426	-0.123518612	0.340202144
S2_ASUBS	-0.058211712	1.000000000	0.811480792	-0.000392930	-0.046837213	0.057710104	0.499395427	-0.029411869
S2_MILES	0.045105918	0.811480792	1.000000000	-0.006687990	-0.055981031	0.078830743	0.283865067	0.051523823
S2_MSONU	0.178896087	-0.000392930	-0.006687990	1.000000000	0.052449469	0.226431816	-0.127789708	0.050564818
S2_PABOV	0.097829786	-0.046837213	-0.055981031	0.052449469	1.000000000	0.076512866	-0.072547258	0.072010425
S2_PARTH	0.135455426	0.057710104	0.078830743	0.226431816	0.076512866	1.000000000	-0.109327364	0.072254206
S2_PASUB	-0.123518612	0.499395427	0.283865067	-0.127789708	-0.072547258	-0.109327364	1.000000000	-0.064643552
S2_SUBSY	0.340202144	-0.029411869	0.051523823	0.050564818	0.072010425	0.072254206	-0.064643552	1.000000000
S2BURY	-0.044594441	-0.026932393	-0.030463940	0.148502081	-0.360716548	-0.034810389	-0.024536713	-0.104813608
S5_ADDRS	-0.051153937	0.528527143	0.248904041	-0.050293779	0.014467464	-0.067501610	0.378158686	-0.161625750
S5_BURY	-0.047451721	0.012106459	0.013358041	0.160520789	-0.382305688	0.004094820	-0.006119771	-0.089803770
S5_HEADA	0.928983961	-0.051687331	0.051110949	0.202096410	0.100196803	0.128715487	-0.139505075	0.306296169
S5_MILES	-0.028512633	0.395088977	0.327828756	-0.057704031	-0.016449696	-0.049596291	0.246895741	-0.158600939
S5_PABOV	0.142825951	-0.007346832	-0.005162759	0.097148919	0.839782275	0.091153272	-0.015282641	0.043788487
S5_PASUB	-0.118829264	0.495647559	0.345525769	-0.121164010	-0.040963199	-0.093226137	0.940726395	-0.048341298
S5_SUBFR	0.267878820	-0.101383390	-0.044373705	0.032538221	0.065572430	-0.004161315	-0.083853943	0.813959694
S6_FPAID	-0.034744352	0.465857171	0.255021136	-0.037259561	-0.001208565	-0.081461140	0.294249902	-0.151854270
S7_FYACB	-0.007297063	0.066777587	0.084288961	0.074687453	-0.004408810	-0.004074860	0.130056052	-0.073931186
S7_FYARC	-0.015312288	0.346234636	0.270593925	-0.038835977	-0.027215618	-0.024181527	0.237103504	-0.132216679
S7_TOTAC	0.057185753	0.436316151	0.408750963	-0.007327490	-0.052100097	-0.006937576	0.534855294	-0.012833403
S7_TDTV	0.177605226	-0.090938751	0.004783326	-0.088910100	0.078684640	0.007940663	0.046541835	0.148672595
S7_TLTV	-0.087783214	0.349050799	0.278543659	-0.023173657	-0.054937506	0.053756358	0.311398832	-0.123900763
S7_TSAT	0.023478281	0.292059313	0.306089459	-0.021089132	-0.131342824	-0.059989055	0.422189667	-0.003938769

Principal Component Analysis

Covariance Matrix

	S2BURY	S5_ADDRS	S5_BURY	S5_HEADA	S5_MILES	S5_PABOV	S5_PASUB	S5_SUBFR
S2_AGEHE	-0.044594441	-0.051153937	-0.047451721	0.928983961	-0.028512633	0.142825951	-0.118829264	0.267878820
S2_ASUBS	-0.026932393	0.528527143	0.012106459	-0.051687331	0.395088977	-0.007346832	0.495647559	-0.101383390
S2_MILES	-0.030463940	0.248904041	0.013358041	0.051110949	0.327828756	-0.005162759	0.345525769	-0.044373705
S2_MSONU	0.148502081	-0.050293779	0.160520789	0.202096410	-0.057704031	0.097148919	-0.121164010	0.032538221
S2_PABOV	-0.360716548	0.014467464	-0.382305688	0.100196803	-0.016449696	0.839782275	-0.040963199	0.065572430
S2_PARTH	-0.034810389	-0.067501610	0.004094820	0.128715487	-0.049596291	0.091153272	-0.093226137	-0.004161315
S2_PASUB	-0.024536713	0.378158686	-0.006119771	-0.139505075	0.246895741	-0.015282641	0.940726395	-0.083853943
S2_SUBSY	-0.104813608	-0.161625750	-0.089803770	0.306296169	-0.158600939	0.043788487	-0.048341298	0.813959694
S2BURY	1.000000000	0.016048982	0.936462402	-0.037534116	0.046892411	-0.291597200	-0.049035199	-0.060675651
S5_ADDRS	0.016048982	1.000000000	0.019237796	-0.050950164	0.766672721	0.003889029	0.376560335	-0.135887055
S5_BURY	0.936462402	0.019237796	1.000000000	-0.037056531	0.045650487	-0.336210631	-0.037293023	-0.056885296
S5_HEADA	-0.037534116	-0.050950164	-0.037056531	1.000000000	-0.026265556	0.147165504	-0.131715166	0.218053034
S5_MILES	0.046892411	0.766672721	0.045650487	-0.026265556	1.000000000	-0.025763533	0.261679545	-0.129230912
S5_PABOV	-0.291597200	0.003889029	-0.336210631	0.147165504	-0.025763533	1.000000000	0.000778617	0.011506498
S5_PASUB	-0.049035199	0.376560335	-0.037293023	-0.131715166	0.261679545	0.000778617	1.000000000	-0.099608294
S5_SUBFR	-0.060675651	-0.135887055	-0.056885296	0.218053034	-0.129230912	0.011506498	-0.099608294	1.000000000
S6_FPAID	0.019421218	0.922853513	0.021100638	-0.034840046	0.800210141	-0.008934667	0.285703199	-0.117218520
S7_FYACB	0.023674875	0.144195881	0.026128766	-0.003228218	0.284320535	-0.013703832	0.125581185	-0.062789306
S7_FYARC	0.070249582	0.660656260	0.073870520	-0.015819300	0.849051140	-0.027739600	0.227476157	-0.091733851
S7_TOTAC	-0.038689767	0.376842853	-0.027593360	0.060017016	0.351176159	0.003428113	0.539255813	-0.087876098
S7_TDTV	-0.065218782	-0.044809443	-0.044597582	0.195700030	0.057122309	0.042038547	0.048436303	0.076486105
S7_TLTV	0.040123425	0.252847569	0.043836783	-0.086433813	0.188620660	0.005787105	0.334439725	-0.173636589
S7_TSAT	-0.031079596	0.239072453	-0.029892207	0.028706428	0.262848557	-0.082329719	0.414602488	-0.035014517

	S6_FPAID	S7_FYACB	S7_FYARC	S7_TOTAC	S7_TDTV	S7_TLTV	S7_TSAT
S2_AGEHE	-0.034744352	-0.007297063	-0.015312288	0.057185753	0.177605226	-0.087783214	0.023478281
S2_ASUBS	0.465857171	0.066777587	0.346234636	0.436316151	-0.090938751	0.349050799	0.292059313
S2_MILES	0.255021136	0.084288961	0.270593925	0.408750963	0.004783326	0.278543659	0.306089459
S2_MSONU	-0.037259561	0.074687453	-0.038835977	-0.007327490	-0.088910100	-0.023173657	-0.021089132
S2_PABOV	-0.001208565	-0.004408810	-0.027215618	-0.052100097	0.078684640	-0.054937506	-0.131342824
S2_PARTH	-0.081461140	-0.004074860	-0.024181527	-0.006937576	0.007940663	0.053756358	-0.059989055
S2_PASUB	0.294249902	0.130056052	0.237103504	0.534855294	0.046541835	0.311398832	0.422189667
S2_SUBSY	-0.151854270	-0.073931186	-0.132216679	-0.012833403	0.148672595	-0.123900763	-0.003938769
S2BURY	0.019421218	0.023674875	0.070249582	-0.038689767	-0.065218782	0.040123425	-0.031079596
S5_ADDRS	0.922853513	0.144195881	0.660656260	0.376842853	-0.044809443	0.252847569	0.239072453
S5_BURY	0.021100638	0.026128766	0.073870520	-0.027593360	-0.044597582	0.043836783	-0.029892207
S5_HEADA	-0.034840046	-0.003228218	-0.015819300	0.060017016	0.195700030	-0.086433813	0.028706428
S5_MILES	0.800210141	0.284320535	0.849051140	0.351176159	0.057122309	0.188620660	0.262848557
S5_PABOV	-0.008934667	-0.013703832	-0.027739600	0.003428113	0.042038547	0.005787105	-0.082329719
S5_PASUB	0.285703199	0.125581185	0.227476157	0.539255813	0.048436303	0.334439725	0.414602488
S5_SUBFR	-0.117218520	-0.062789306	-0.091733851	-0.087876098	0.076486105	-0.173636589	-0.035014517
S6_FPAID	1.000000000	0.182941338	0.694011540	0.362587385	-0.036844092	0.236451361	0.259409341
S7_FYACB	0.182941338	1.000000000	0.409057655	0.191159685	0.036485078	0.043889268	0.212744362
S7_FYARC	0.694011540	0.409057655	1.000000000	0.310394957	-0.002573165	0.194954766	0.232866189
S7_TOTAC	0.362587385	0.191159685	0.310394957	1.000000000	0.130249512	0.491053677	0.860739066
S7_TDTV	-0.036844092	0.036485078	-0.002573165	0.130249512	1.000000000	-0.416041980	0.136062245
S7_TLTV	0.236451361	0.043889268	0.194954766	0.491053677	-0.416041980	1.000000000	0.282923844
S7_TSAT	0.259409341	0.212744362	0.232866189	0.860739066	0.136062245	0.282923844	1.000000000

Principal Component Analysis

Total Variance = 23

Eigenvalues of the Covariance Matrix

	Eigenvalue	Difference	Proportion	Cumulative
COST1	5.37421	2.50778	0.233661	0.23366
COST2	2.86642	0.54138	0.124627	0.35829
COST3	2.32504	0.23426	0.101089	0.45938
COST4	2.09078	0.50304	0.090903	0.55028
COST5	1.58774	0.21037	0.069032	0.61931
COST6	1.37737	0.20842	0.059886	0.67920
COST7	1.16895	0.06417	0.050824	0.73002
COST8	1.10479	0.04872	0.048034	0.77806
COST9	1.05606	0.21177	0.045916	0.82397
COST10	0.84429	0.01061	0.036708	0.86068
COST11	0.83368	0.08725	0.036247	0.89693
COST12	0.74644	0.35138	0.032454	0.92938
COST13	0.39505	0.04164	0.017176	0.94656
COST14	0.35341	0.18386	0.015366	0.96192
COST15	0.16955	0.01815	0.007372	0.96929
COST16	0.15140	0.00377	0.006583	0.97588
COST17	0.14763	0.05442	0.006419	0.98230
COST18	0.09321	0.00799	0.004053	0.98635
COST19	0.08522	0.01682	0.003705	0.99005
COST20	0.06840	0.00293	0.002974	0.99303
COST21	0.06547	0.00786	0.002846	0.99587
COST22	0.05760	0.02030	0.002504	0.99838
COST23	0.03730	.	0.001622	1.00000

Principal Component Analysis

Eigenvectors

	COST1	COST2	COST3	COST4	COST5	COST6	COST7	COST8	COST9	COST10	COST11	COST12
S2_AGEHE	-.057480	0.361776	0.375627	0.062523	0.106804	0.150544	-.187191	-.094042	-.305503	-.179738	-.062734	0.081744
S2_ASUBS	0.312189	0.063452	0.017285	-.111788	0.174580	-.291724	-.039079	-.335344	0.155329	-.028516	-.201990	-.117185
S2_MILES	0.242739	0.103043	0.083864	-.149598	0.184388	-.230547	-.135847	-.351052	0.286293	0.123429	-.439155	-.049822
S2_MSONU	-.039290	0.052214	0.203526	0.092771	0.409060	0.064463	0.145917	0.172014	0.234447	-.170430	0.216474	-.726952
S2_PABOV	-.045584	0.354235	-.298131	0.183820	0.181323	0.036627	0.394934	0.012349	-.039773	0.164530	-.107658	0.072127
S2_PARTM	-.031630	0.102063	0.085412	0.035204	0.376332	-.034763	-.103654	-.068925	0.485555	-.039875	0.559769	0.487025
S2_PASUB	0.290924	0.027007	-.073160	-.325196	-.067112	0.059450	0.276119	-.076160	-.123305	-.397961	0.158481	0.040453
S2_SUBSY	-.091570	0.308161	0.272301	-.160598	-.226705	-.382619	0.159984	0.178304	0.106897	0.060855	0.036942	0.043248
S2BURY	0.014790	-.353387	0.388296	0.039753	0.139591	0.049170	0.382813	-.045494	-.105280	0.142018	-.087869	0.126720
S5_ADDRS	0.339944	0.021435	0.081744	0.286279	-.080526	-.126210	0.026717	-.057218	-.156614	0.002573	0.235704	-.093946
S5_BURY	0.021837	-.353699	0.403143	0.023224	0.143409	0.033311	0.362504	-.075499	-.055933	0.126014	-.070121	0.129839
S5_HEADA	-.056357	0.353750	0.372519	0.072562	0.126944	0.183045	-.195753	-.114262	-.299794	-.164151	-.078066	0.051553
S5_MILES	0.324889	0.017742	0.057999	0.356995	-.134974	-.026790	-.030486	0.000439	0.035177	0.068002	0.035297	0.039282
S5_PABOV	-.028619	0.349182	-.267899	0.148846	0.266789	0.071514	0.404995	-.000395	-.086128	0.154558	-.131996	0.068526
S5_PASUB	0.293130	0.044515	-.084012	-.328237	-.045767	0.047926	0.261155	-.091531	-.105169	-.387051	0.136513	0.047340
S5_SUBFR	-.100929	0.254358	0.254015	-.102775	-.290958	-.417179	0.209818	0.261189	0.069056	0.054882	0.041050	0.000509
S6_FPAID	0.330597	0.021636	0.025594	0.329861	-.100873	-.111012	-.018412	-.004819	-.126066	0.066765	0.188302	-.108279
S7_FYACB	0.131383	0.011610	0.055679	0.137212	-.062838	0.279241	0.049450	0.423021	0.408297	-.405508	-.438831	0.165053
S7_FYARC	0.301481	0.008454	0.079062	0.354419	-.117290	-.010528	-.010476	0.126719	0.095773	-.051388	-.060116	0.141313
S7_TOTAC	0.309178	0.124887	0.066638	-.264734	0.052051	0.247287	-.057637	0.197533	-.009057	0.335291	0.068669	-.032156
S7_TDTV	-.014654	0.171882	0.106722	-.021290	-.354048	0.416610	0.156214	-.406228	0.255068	0.199036	0.114117	0.033306
S7_TLTV	0.211652	-.044148	-.052103	-.164890	0.358800	-.154973	-.140561	0.339847	-.259385	0.116754	-.014622	0.266651
S7_TSAT	0.250403	0.088805	0.084464	-.278958	-.053925	0.313327	-.102921	0.260993	0.065880	0.387721	0.035478	-.132966

	COST13	COST14	COST15	COST16	COST17	COST18	COST19	COST20	COST21	COST22	COST23
S2_AGEHE	-.065051	-.031433	0.065306	0.020854	0.016974	0.019273	-.107785	0.655608	0.194026	0.124661	-.037343
S2_ASUBS	-.142669	0.188671	0.098368	-.363601	-.279469	-.414485	0.121531	0.081594	-.041260	-.098543	-.310008
S2_MILES	0.055827	-.122456	0.000888	0.277807	0.234325	0.364522	-.071387	-.052668	0.054626	0.057396	0.287132
S2_MSONU	0.245980	-.033830	0.018124	0.013632	-.000077	0.015858	0.015828	0.018574	0.020681	0.002087	0.023654
S2_PABOV	-.050951	0.023698	0.236338	0.421306	-.511642	0.028430	0.071085	0.039291	-.006400	-.069036	0.058972
S2_PARTM	-.170296	-.030594	0.025044	0.023276	0.038368	0.012553	0.011770	-.011683	0.000992	-.026665	0.010413
S2_PASUB	-.019561	-.110064	0.061966	-.117086	-.010139	-.077778	0.097450	0.144422	-.345070	-.045300	0.570475
S2_SUBSY	0.097103	0.092916	-.668584	0.058308	-.213258	-.016246	0.059582	0.045452	-.016149	-.005196	0.055258
S2BURY	-.081452	-.006368	-.033391	-.004649	0.058637	-.061374	0.008503	0.020995	0.338560	-.590254	0.135799
S5_ADDRS	-.191257	0.354937	-.016772	-.042391	-.048915	-.042109	-.197542	-.217722	0.462610	0.334470	0.324954
S5_BURY	-.052388	0.027157	0.018759	0.052687	-.096748	0.061734	0.000995	-.016118	-.340830	0.593779	-.151685
S5_HEADA	-.031920	-.001675	0.003423	0.002380	-.047481	-.046347	0.141523	-.649996	-.193946	-.122872	0.020046
S5_MILES	0.198484	-.318534	-.069327	0.394731	0.249768	-.595729	0.026459	0.046035	-.108628	0.014290	-.035037
S5_PABOV	-.067049	-.078811	-.238703	-.406051	0.491080	-.028245	-.023853	-.028094	-.010287	0.100220	-.059689
S5_PASUB	0.055772	-.124271	-.070491	0.258322	0.078560	0.171668	-.023853	-.149866	0.312824	0.024402	-.535911
S5_SUBFR	-.050751	-.046913	0.620228	-.071434	0.247627	-.012776	-.060492	-.082759	0.011134	0.001640	-.054263
S6_FPAID	-.164691	0.311624	-.038037	0.088117	0.179785	0.428358	0.202583	0.172107	-.388295	-.287002	-.193186
S7_FYACB	-.118647	0.350926	-.008341	0.043039	0.066301	-.049511	-.018587	-.002890	0.002029	0.006357	0.002874
S7_FYARC	0.235977	-.499109	0.027404	-.418706	-.345215	0.321334	-.008246	-.029569	0.083418	-.008465	-.021914
S7_TOTAC	-.019089	0.031523	-.016470	-.021373	-.098760	-.030626	-.707856	-.032239	-.216352	-.151032	-.073064
S7_TDTV	0.468959	0.300133	0.106969	-.108565	0.034326	0.016678	0.111218	0.025068	0.059359	0.006712	-.000048
S7_TLTV	0.575550	0.284946	0.105926	-.023219	0.050495	-.010803	0.219945	0.021040	0.066534	0.042542	0.034368
S7_TSAT	-.354117	-.176957	0.001755	-.003198	-.003988	-.008460	0.531175	0.019214	0.181852	0.134010	0.026544

General Linear Models Procedure
Class Level Information

Class	Levels	Values
COMPTYPE	2	0 1
SIZE	3	1 2 3

Number of observations in data set = 420

General Linear Models Procedure

Dependent Variable: LAR Log - ARIEPS

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	7	3.82416891	0.54630984	17.39	0.0001
Error	412	12.94363589	0.03141659		
Corrected Total	419	16.76780481			

R-Square	C.V.	Root MSE	LAR Mean
0.228066	5.828817	0.17724726	3.04087857

Source	DF	Type I SS	Mean Square	F Value	Pr > F
COMPTYPE	1	1.69746686	1.69746686	54.03	0.0001
SIZE	2	1.13551959	0.56775979	18.07	0.0001
COMPTYPE*SIZE	2	0.72988873	0.36494436	11.62	0.0001
COST1	1	0.19010031	0.19010031	6.05	0.0143
COST2	1	0.07119343	0.07119343	2.27	0.1330

Source	DF	Type III SS	Mean Square	F Value	Pr > F
COMPTYPE	1	1.82645020	1.82645020	58.14	0.0001
SIZE	2	1.23128376	0.61564188	19.60	0.0001
COMPTYPE*SIZE	2	0.84882250	0.42441125	13.51	0.0001
COST1	1	0.15014417	0.15014417	4.78	0.0294
COST2	1	0.07119343	0.07119343	2.27	0.1330

Parameter		Estimate	T for H0: Parameter=0	Pr > |T|	Std Error of Estimate
INTERCEPT		3.083968741 B	69.80	0.0001	0.04418159
COMPTYPE	0	0.012214279 B	0.26	0.7938	0.04669273
	1	0.000000000 B	.	.	.
SIZE	1	-0.375655198 B	-6.15	0.0001	0.06112608
	2	-0.275151303 B	-4.26	0.0001	0.06453027
	3	0.000000000 B	.	.	.
COMPTYPE*SIZE	0 1	0.315930073 B	4.95	0.0001	0.06376418
	0 2	0.267462576 B	3.85	0.0001	0.06953812
	0 3	0.000000000 B	.	.	.
	1 1	0.000000000 B	.	.	.
	1 2	0.000000000 B	.	.	.
	1 3	0.000000000 B	.	.	.
COST1		0.023559756	2.19	0.0294	0.01077696
COST2		-0.013821156	-1.51	0.1330	0.00918130

NOTE: The X'X matrix has been found to be singular and a generalized inverse was used to solve the normal equations. Estimates followed by the letter 'B' are biased, and are not unique estimators of the parameters.

General Linear Models Procedure

Duncan's Multiple Range Test for variable: LAR

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 412 MSE= 0.031417
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 88.09524

Number of Means 2
Critical Range .05305

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	COMPTYPE
A	3.06425	370	0
B	2.86794	50	1

General Linear Models Procedure

Duncan's Multiple Range Test for variable: LAR

NOTE: This test controls the type I comparisonwise error rate, not the experimentwise error rate

Alpha= 0.05 df= 412 MSE= 0.031417
WARNING: Cell sizes are not equal.
Harmonic Mean of cell sizes= 127.2874

Number of Means 2 3
Critical Range .04414 .04641

Means with the same letter are not significantly different.

Duncan Grouping	Mean	N	SIZE
A	3.11065	120	3
B	3.04407	97	2
C	2.99811	203	1

Level of COMPTYPE	Level of SIZE	N	LAR Mean	LAR SD	COST1 Mean	COST1 SD	COST2 Mean	COST2 SD
0	1	184	3.02761413	0.19387357	-0.52292131	0.36252218	-0.25150821	1.04421372
0	2	83	3.08330120	0.13749357	-0.07619487	0.57247471	0.24585173	0.88912248
0	3	103	3.11433981	0.16040766	0.89972271	1.44891672	0.21998605	0.85995643
1	1	19	2.71236842	0.16802289	-0.14433036	0.44675803	-0.53940974	0.86916629
1	2	14	2.81150000	0.30750929	0.15385199	0.59693685	0.06816743	1.20733044
1	3	17	3.08829412	0.16092497	0.61521211	0.52322795	0.73574673	0.79923530

Analysis of Variance for 3sizes and 2 compet types

General Linear Models Procedure
Least Squares Means

COMPTYPE	LAR LSMEAN	Std Err LSMEAN	Pr > |T| H0:LSMEAN=0	Pr > |T| H0: LSMEAN1=LSMEAN2
0	3.07371174	0.00983580	0.0001	0.0001
1	2.86703324	0.02539042	0.0001	

SIZE	LAR LSMEAN	Std Err LSMEAN	Pr > |T| H0:LSMEAN=0	Pr > |T| H0: LSMEAN(i)=LSMEAN(j) i/j	1	2	3
1	2.87238572	0.02205371	0.0001	1	.	0.0257	0.0001
2	2.94865586	0.02565318	0.0001	2	0.0257	.	0.0001
3	3.09007588	0.02521222	0.0001	3	0.0001	0.0001	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

COMPTYPE	SIZE	LAR LSMEAN	Std Err LSMEAN	Pr > |T| H0:LSMEAN=0	Pr > |T| H0: LSMEAN(i)=LSMEAN(j) i/j	1	2	3	4	5	6
0	1	3.03645789	0.01456070	0.0001	1	.	0.0343	0.0299	0.0001	0.0001	0.3211
0	2	3.08849429	0.01958793	0.0001	2	0.0343	.	0.7850	0.0001	0.0001	0.9251
0	3	3.09618302	0.02023374	0.0001	3	0.0299	0.7850	.	0.0001	0.0001	0.7938
1	1	2.70831354	0.04102348	0.0001	4	0.0001	0.0001	0.0001	.	0.1103	0.0001
1	2	2.80881744	0.04740798	0.0001	5	0.0001	0.0001	0.0001	0.1103	.	0.0001
1	3	3.08396874	0.04418159	0.0001	6	0.3211	0.9251	0.7938	0.0001	0.0001	.

NOTE: To ensure overall protection level, only probabilities associated with pre-planned comparisons should be used.

Attachment 1-E

Weighted Regression

Model: MODEL1
Dependent Variable: LAR

Analysis of Variance

Source	DF	Sum of Squares	Mean Square	F Value	Prob>F
Model	13	9.54798	0.73446	21.048	0.0001
Error	406	14.16692	0.03489		
C Total	419	23.71490			

Root MSE	0.18680	R-square	0.4026
Dep Mean	3.09489	Adj R-sq	0.3835
C.V.	6.03573		

Parameter Estimates

Variable	DF	Parameter Estimate	Standard Error	T for H0: Parameter=0	Prob > |T|	Variance Inflation
INTERCEP	1	2.327475	0.21715957	10.718	0.0001	0.00000000
A1	1	-0.036631	0.01400663	-2.615	0.0092	1.15162914
OVL	1	0.001609	0.03271645	0.049	0.9608	1.28036762
C	1	-0.310389	0.11129948	-2.789	0.0055	1.02678762
MSO	1	-0.045196	0.03366448	-1.343	0.1802	1.53227544
LMS	1	0.003408	0.00364090	0.936	0.3498	1.47631336
RSS	1	14.896592	19.32380616	0.771	0.4412	1.07395613
RTC	1	-3.418992	1.02866834	-3.324	0.0010	1.39188559
PNB	1	0.215312	0.10589860	2.033	0.0427	1.73554569
PAO	1	0.022056	0.01881679	1.172	0.2418	1.32681508
PRM	1	0.190423	0.02483618	7.667	0.0001	1.42997103
PT2	1	0.092545	0.01901554	4.867	0.0001	2.02512396
PTC	1	0.040798	0.13081441	0.312	0.7553	1.12087355
LIN	1	0.061816	0.01676105	3.688	0.0003	1.58045409

Collinearity Diagnostics

Number	Eigenvalue	Condition Number	Var Prop INTERCEP	Var Prop A1	Var Prop OVL	Var Prop C	Var Prop MSO	Var Prop LMS	Var Prop RSS	Var Prop RTC	Var Prop PNB	Var Prop PAO
1	7.82202	1.00000	0.0000	0.0038	0.0008	0.0001	0.0005	0.0018	0.0003	0.0006	0.0001	0.0034
2	1.12852	2.63272	0.0000	0.0005	0.2883	0.3029	0.0001	0.0010	0.0852	0.0000	0.0000	0.0099
3	1.00813	2.78549	0.0000	0.0012	0.2063	0.0962	0.0000	0.0009	0.4475	0.0002	0.0000	0.0398
4	0.92609	2.90626	0.0000	0.0151	0.0525	0.4599	0.0000	0.0002	0.3544	0.0001	0.0000	0.0087
5	0.92214	2.91247	0.0000	0.0032	0.0011	0.0947	0.0000	0.0004	0.0035	0.0000	0.0000	0.0002
6	0.78622	3.15418	0.0000	0.2118	0.0000	0.0021	0.0023	0.0147	0.0327	0.0016	0.0001	0.0330
7	0.57467	3.68935	0.0000	0.5699	0.0051	0.0036	0.0000	0.0000	0.0038	0.0010	0.0000	0.0004
8	0.43047	4.26275	0.0000	0.0563	0.2695	0.0326	0.0006	0.0019	0.0016	0.0001	0.0000	0.6949
9	0.19475	6.33757	0.0001	0.0580	0.0861	0.0016	0.0004	0.0001	0.0024	0.0116	0.0000	0.0032
10	0.12918	7.78138	0.0003	0.0203	0.0217	0.0012	0.0003	0.7672	0.0051	0.0131	0.0042	0.0559
11	0.04241	13.58151	0.0004	0.0156	0.0136	0.0024	0.1070	0.0030	0.0584	0.7250	0.0123	0.0000
12	0.02965	16.24242	0.0013	0.0000	0.0018	0.0024	0.7981	0.1589	0.0005	0.0256	0.0410	0.0654
13	0.00526	38.57821	0.0165	0.0011	0.0113	0.0001	0.0906	0.0186	0.0012	0.0992	0.6811	0.0647
14	0.0004952	125.68398	0.9813	0.0431	0.0418	0.0003	0.0000	0.0316	0.0032	0.1219	0.2611	0.0204

Number	Var Prop PRM	Var Prop PT2	Var Prop PTC	Var Prop LIN
1	0.0033	0.0020	0.0013	0.0000
2	0.0051	0.0027	0.0203	0.0000
3	0.0001	0.0012	0.0036	0.0000
4	0.0095	0.0032	0.0463	0.0000
5	0.0001	0.0030	0.7817	0.0000
6	0.2284	0.0016	0.0047	0.0000
7	0.2409	0.0329	0.0002	0.0000
8	0.0607	0.0002	0.0061	0.0000
9	0.3766	0.5914	0.0675	0.0001
10	0.0289	0.0152	0.0034	0.0004
11	0.0007	0.0905	0.0036	0.0010
12	0.0295	0.0017	0.0228	0.0017
13	0.0126	0.2371	0.0113	0.0798
14	0.0034	0.0172	0.0272	0.9170

Collinearity Diagnostics(intercept adjusted)

Number	Eigenvalue	Condition Number	Var Prop A1	Var Prop OVL	Var Prop C	Var Prop MSO	Var Prop LMS	Var Prop RSS	Var Prop RTC	Var Prop PNB	Var Prop PAO	Var Prop PRM
1	2.37709	1.00000	0.0083	0.0040	0.0003	0.0275	0.0220	0.0007	0.0337	0.0474	0.0129	0.0405
2	1.92017	1.11263	0.0047	0.0628	0.0021	0.0641	0.0704	0.0024	0.0022	0.0209	0.0491	0.0045
3	1.36673	1.31880	0.0706	0.0040	0.0462	0.0008	0.0007	0.1837	0.1339	0.0022	0.0372	0.0001
4	1.28365	1.36081	0.1426	0.0719	0.0245	0.0005	0.0000	0.0011	0.0107	0.0277	0.0281	0.1176
5	0.98773	1.55133	0.0511	0.0266	0.6025	0.0057	0.0020	0.0109	0.0015	0.0037	0.0004	0.0222
6	0.95834	1.57494	0.2230	0.0049	0.2128	0.0000	0.0010	0.3789	0.0058	0.0091	0.0207	0.0031
7	0.89647	1.62838	0.0246	0.0978	0.0044	0.0218	0.1632	0.0348	0.0017	0.0176	0.2552	0.0057
8	0.79037	1.73423	0.0089	0.3403	0.0639	0.1031	0.0034	0.1402	0.0521	0.0002	0.0036	0.0014
9	0.65181	1.90969	0.0507	0.1089	0.0153	0.0387	0.0026	0.1433	0.2706	0.0349	0.2491	0.1537
10	0.61486	1.96623	0.3172	0.0020	0.0000	0.0790	0.0024	0.1006	0.1171	0.0980	0.0371	0.3627
11	0.47870	2.22838	0.0324	0.0331	0.0125	0.4661	0.5969	0.0009	0.0001	0.0906	0.0595	0.0006
12	0.37581	2.51501	0.0450	0.0639	0.0065	0.0188	0.0995	0.0020	0.3703	0.4751	0.0334	0.0384
13	0.29826	2.82307	0.0210	0.1799	0.0090	0.1740	0.0359	0.0006	0.0003	0.1725	0.2137	0.2496

Number	Var Prop PT2	Var Prop PTC	Var Prop LIN
1	0.0269	0.0098	0.0384
2	0.0541	0.0048	0.0015
3	0.0001	0.0130	0.0911
4	0.0095	0.1578	0.0196
5	0.0083	0.1792	0.0119
6	0.0103	0.0686	0.0001
7	0.0176	0.1820	0.0169
8	0.0005	0.1269	0.1374
9	0.0348	0.0084	0.0230
10	0.0000	0.1102	0.0008
11	0.0372	0.0754	0.0019
12	0.0016	0.0613	0.5261
13	0.7990	0.0026	0.1313

Obs	IDNUM	Weight	Dep Var LAR	Predict Value	Std Err Predict	Lower95% Mean	Upper95% Mean	Lower95% Predict	Upper95% Predict	Residual	Std Err Residual
1	AL0012-1	3.6948	2.8730	3.2029	0.024	3.1561	3.2496	3.0062	3.3995	-0.3299	0.094
2	AL0127-1	0.3094	2.4040	3.1165	0.033	3.0513	3.1818	2.4531	3.7799	-0.7125	0.334
3	AL0191-1	0.4467	3.1930	3.0792	0.015	3.0499	3.1084	2.5289	3.6294	0.1138	0.279
4	AL0371-1	2.2062	2.9420	3.2431	0.033	3.1776	3.3085	2.9873	3.4988	-0.3011	0.121
5	AL0380-1	0.3178	2.8560	3.1449	0.039	3.0687	3.2210	2.4890	3.8007	-0.2889	0.329
6	AL0380-2	0.3178	2.8680	3.1467	0.038	3.0711	3.2224	2.4910	3.8025	-0.2787	0.329
7	AL0432-1	0.2429	2.9250	2.7908	0.045	2.7016	2.8801	2.0404	3.5413	0.1342	0.376
8	AL0516-1	0.0574	3.1120	2.9550	0.039	2.8774	3.0327	1.4203	4.4898	0.1570	0.779
9	AL0588-1	0.0108	2.9360	2.8116	0.178	2.4619	3.1612	-0.7393	6.3624	0.1244	1.789
10	AL0610-1	0.0362	3.1840	2.9127	0.054	2.8062	3.0192	0.9797	4.8457	0.2713	0.980
11	AL0626-1	0.5180	2.8880	3.0667	0.037	2.9946	3.1389	2.5514	3.5820	-0.1787	0.257
12	AR0026-1	0.4660	2.3210	2.6848	0.113	2.4633	2.9062	2.1030	3.2665	-0.3638	0.249
13	AR0121-1	0.1787	2.8810	2.8954	0.029	2.8380	2.9527	2.0248	3.7659	-0.0144	0.441
14	AR0212-1	0.0965	2.8740	2.9202	0.031	2.8590	2.9814	1.7365	4.1039	-0.0462	0.601
15	AR0394-1	0.0504	3.1560	2.9138	0.040	2.8343	2.9933	1.2761	4.5514	0.2422	0.831
16	AR0449-1	0.0107	2.8410	2.7779	0.175	2.4337	3.1220	-0.7888	6.3446	0.0631	1.797
17	AR0450-1	0.00720	2.8710	2.9092	0.261	2.3962	3.4222	-1.4488	7.2672	-0.0382	2.186
18	AR0519-1	0.0223	2.9260	2.9247	0.085	2.7580	3.0914	0.4600	5.3894	0.00128	1.248
19	AR0535-1	0.0175	2.9320	2.9294	0.107	2.7182	3.1406	0.1455	5.7133	0.00260	1.408
20	AR0541-1	0.00180	3.4560	3.7763	1.066	1.6812	5.8714	-5.1291	12.6817	-0.3203	4.272
21	AR0576-1	0.3579	2.5260	2.7168	0.113	2.4942	2.9393	2.0638	3.3697	-0.1908	0.291
22	AR0619-1	0.0600	2.7940	2.9142	0.036	2.8426	2.9857	1.4133	4.4151	-0.1202	0.762
23	AZ0031-1	0.3546	3.0580	2.9347	0.021	2.8943	2.9751	2.3167	3.5527	0.1233	0.313
24	AZ0053-2	22.3357	3.1290	3.1072	0.013	3.0820	3.1325	3.0255	3.1889	0.0218	0.037
25	AZ0098-1	0.0167	3.0390	2.7235	0.117	2.4929	2.9541	-0.1275	5.5745	0.3155	1.441
26	AZ0111-1	3.0557	3.0330	3.0196	0.018	2.9846	3.0547	2.8067	3.2326	0.0134	0.105
27	AZ0181-1	2.1259	3.1260	3.1829	0.018	3.1473	3.2184	2.9285	3.4372	-0.0569	0.127
28	AZ0181-2	2.1259	3.1170	3.1687	0.016	3.1382	3.1993	2.9150	3.4224	-0.0517	0.127
29	AZ0210-1	0.3360	3.2140	2.9979	0.022	2.9542	3.0417	2.3629	3.6329	0.2161	0.321
30	AZ0268-1	0.0625	2.9770	2.8832	0.053	2.7789	2.9875	1.4107	4.3558	0.0938	0.745
31	AZ0282-1	0.0311	3.0980	2.9506	0.063	2.8266	3.0746	0.8646	5.0366	0.1474	1.057
32	AZ0293-1	0.0508	3.1660	3.0157	0.041	2.9360	3.0955	1.3845	4.6470	0.1503	0.828
33	AZ0303-1	0.8544	3.0390	3.2408	0.018	3.2053	3.2763	2.8419	3.6396	-0.2018	0.201
34	CA0200-1	2.7389	3.2590	3.3258	0.023	3.2804	3.3712	3.0993	3.5523	-0.0668	0.110
35	CA0357-1	1.7664	3.1750	3.0786	0.026	3.0272	3.1299	2.7976	3.3596	0.0964	0.138
36	CA0531-2	6.1666	3.1130	3.0353	0.023	2.9910	3.0797	2.8810	3.1897	0.0777	0.072
37	CA0589-1	6.7639	3.0620	3.0452	0.022	3.0028	3.0876	2.8978	3.1927	0.0168	0.069
38	CA0654-1	4.2426	3.2590	3.1436	0.020	3.1043	3.1829	2.9610	3.3262	0.1154	0.088
39	CA0751-1	0.8850	3.1030	3.0406	0.035	2.9721	3.1090	2.6443	3.4369	0.0624	0.195
40	CA0850-1	0.3504	3.1300	3.1161	0.021	3.0755	3.1567	2.4944	3.7378	0.0139	0.315
41	CA0933-1	1.1263	2.9570	2.9446	0.039	2.8674	3.0218	2.5901	3.2991	0.0124	0.172
42	CA1021-1	1.2245	3.0420	2.9844	0.033	2.9199	3.0490	2.6464	3.3225	0.0576	0.166
43	CA1119-1	0.2388	3.3340	2.9786	0.023	2.9326	3.0246	2.2257	3.7315	0.3554	0.382
44	CA1120-1	4.4981	2.9920	3.1494	0.017	3.1153	3.1835	2.9730	3.3259	-0.1574	0.086
45	CA1127-2	2.1130	3.1390	3.1675	0.018	3.1321	3.2029	2.9124	3.4226	-0.0285	0.127
46	CA1276-1	0.6298	3.1260	3.0786	0.035	3.0093	3.1479	2.6107	3.5465	0.0474	0.233
47	CA1294-1	0.8434	3.1950	3.2186	0.021	3.1774	3.2598	2.8166	3.6206	-0.0236	0.202
48	CA1294-2	0.8434	3.2170	3.2160	0.023	3.1699	3.2621	2.8135	3.6185	0.00100	0.202
49	CA1401-1	0.2006	3.3880	3.0623	0.029	3.0052	3.1193	2.2404	3.8841	0.3257	0.416
50	CA1420-1	0.5515	2.9160	2.9819	0.026	2.9307	3.0332	2.4848	3.4791	-0.0659	0.250
51	CA1420-2	0.5515	2.9780	3.0011	0.026	2.9508	3.0513	2.5040	3.4981	-0.0231	0.250
52	CO0133-1	0.1590	3.2930	3.1112	0.033	3.0472	3.1752	2.1881	4.0344	0.1818	0.467
53	CO0197-1	16.4112	3.0380	3.1380	0.017	3.1042	3.1718	3.0413	3.2348	-0.1000	0.043

Obs	IDNUM	Weight	Dep Var LAR	Predict Value	Std Err Predict	Lower95% Mean	Upper95% Mean	Lower95% Predict	Upper95% Predict	Residual	Std Err Residual
54	CO0218-1	1.7122	3.1440	3.1248	0.015	3.0960	3.1537	2.8427	3.4070	0.0192	0.142
55	CO0221-1	0.0254	3.1300	2.9781	0.077	2.8266	3.1296	0.6690	5.2872	0.1519	1.170
56	CO0254-1	9.6031	3.1210	3.1867	0.033	3.1226	3.2508	3.0520	3.3215	-0.0657	0.051
57	CO0330-1	0.0655	3.1270	3.0894	0.036	3.0193	3.1595	1.6528	4.5260	0.0376	0.729
58	CO0393-2	0.0318	3.3040	3.0250	0.080	2.8678	3.1823	0.9598	5.0903	0.2790	1.044
59	DE0082-1	1.7280	3.2100	3.0811	0.017	3.0483	3.1140	2.7998	3.3624	0.1289	0.141
60	DE0082-2	1.7280	2.8070	3.0290	0.018	2.9938	3.0641	2.7474	3.3105	-0.2220	0.141
61	FL0038-1	0.2114	3.1950	3.0473	0.021	3.0056	3.0889	2.2475	3.8470	0.1477	0.406
62	FL0110-2	9.2073	3.2200	3.1351	0.019	3.0974	3.1728	3.0084	3.2619	0.0849	0.058
63	FL0118-1	4.2330	3.1480	3.1124	0.012	3.0897	3.1350	2.9324	3.2923	0.0356	0.090
64	FL0136-1	4.2330	3.2710	3.1590	0.012	3.1347	3.1832	2.9788	3.3391	0.1120	0.090
65	FL0178-1	5.9282	3.1870	3.1537	0.011	3.1330	3.1744	3.0014	3.3059	0.0333	0.076
66	FL0322-1	19.9588	3.0790	3.1622	0.012	3.1389	3.1856	3.0768	3.2477	-0.0832	0.040
67	FL0375-2	6.7521	3.3430	3.2164	0.016	3.1857	3.2472	3.0718	3.3611	0.1266	0.070
68	FL0435-1	2.1115	3.1600	3.1578	0.011	3.1353	3.1802	2.9040	3.4115	0.00225	0.128
69	FL0548-2	2.6638	3.1960	3.1218	0.015	3.0922	3.1513	2.8948	3.3487	0.0742	0.113
70	FL0653-1	4.1297	3.2670	3.1094	0.027	3.0570	3.1618	2.9213	3.2976	0.1576	0.088
71	FL0679-1	1.3806	2.5630	3.0606	0.030	3.0021	3.1192	2.7334	3.3879	-0.4976	0.161
72	FL0749-1	4.8611	3.7340	3.5695	0.053	3.4651	3.6739	3.3729	3.7661	0.1645	0.066
73	FL0749-2	4.8611	3.3680	3.2197	0.036	3.1491	3.2904	3.0388	3.4007	0.1403	0.077
74	FL0843-2	6.0863	2.8690	3.1289	0.017	3.0949	3.1629	2.9753	3.2826	-0.2599	0.074
75	FL0851-1	2.1067	2.9050	3.0655	0.020	3.0263	3.1046	2.8095	3.3215	-0.1605	0.127
76	FL0851-2	2.1067	2.9010	3.0847	0.020	3.0454	3.1239	2.8286	3.3407	-0.1837	0.127
77	FL0894-1	0.8196	2.7790	3.0368	0.022	2.9926	3.0810	2.6288	3.4448	-0.2578	0.205
78	FL0996-1	0.3433	3.0270	3.0947	0.022	3.0510	3.1384	2.4664	3.7229	-0.0677	0.318
79	GA0825-1	0.3704	2.6010	3.1213	0.029	3.0647	3.1778	2.5152	3.7273	-0.5203	0.306
80	GA0825-2	0.3704	2.6180	3.1391	0.029	3.0829	3.1954	2.5331	3.7451	-0.5211	0.306
81	GA0833-2	6.7676	2.9050	3.1889	0.015	3.1594	3.2185	3.0447	3.3332	-0.2039	0.070
82	GA0863-2	2.7698	2.8560	2.8945	0.031	2.8334	2.9556	2.6656	3.1235	-0.0385	0.108
83	GA0199-1	0.6517	3.1990	3.1277	0.017	3.0943	3.1611	2.6716	3.5838	0.0713	0.231
84	GA0679-1	0.3877	2.9750	3.0218	0.023	2.9768	3.0669	2.3583	3.6854	-0.0468	0.336
85	GA0715-1	0.4686	3.0990	3.0713	0.014	3.0438	3.0988	2.5342	3.6084	0.0277	0.273
86	GA0753-1	0.4850	3.1450	3.3549	0.037	3.2820	3.4278	2.8226	3.8872	-0.2099	0.266
87	GA0757-1	0.2300	2.8390	3.1264	0.048	3.0326	3.2201	2.3549	3.8978	-0.2874	0.387
88	GA0864-1	0.0139	3.0340	3.0250	0.135	2.7593	3.2908	-0.1010	6.1511	0.00896	1.579
89	GA0881-1	0.0141	2.8030	2.9288	0.133	2.6669	3.1908	-0.1748	6.0324	-0.1258	1.567
90	HI0074-1	3.4937	3.0300	3.0466	0.020	3.0074	3.0858	2.8463	3.2469	-0.0166	0.098
91	IA0294-1	1.7126	3.0490	3.0796	0.020	3.0408	3.1184	2.7963	3.3629	-0.0306	0.141
92	IA0525-1	2.5079	3.1260	3.0822	0.015	3.0517	3.1126	2.8483	3.3160	0.0438	0.117
93	IA0741-1	0.0159	2.8550	3.0238	0.119	2.7907	3.2570	0.1023	5.9454	-0.1688	1.477
94	IA0787-1	1.9013	3.1460	3.1711	0.015	3.1408	3.2015	2.9831	3.4392	-0.0251	0.135
95	ID0009-1	1.4884	3.0940	3.1380	0.016	3.0989	3.1611	2.8274	3.4326	-0.0360	0.152
96	ID0206-1	0.00760	3.0370	3.1291	0.249	2.6405	3.6177	-1.1115	7.3696	-0.0921	2.128
97	IL0087-1	0.2792	3.1300	3.0918	0.016	3.0603	3.1233	2.3962	3.7875	0.0382	0.353
98	IL0140-1	2.9234	3.1610	3.2277	0.015	3.1983	3.2570	3.0109	3.4444	-0.0667	0.108
99	IL0448-1	0.7373	3.1890	3.1378	0.011	3.1163	3.1593	2.7096	3.5660	0.0512	0.217
100	IL0554-1	9.4880	3.0550	3.1909	0.016	3.1599	3.2219	3.0678	3.3141	-0.1359	0.059
101	IL0601-1	1.2339	3.2250	3.1150	0.021	3.0729	3.1570	2.7817	3.4482	0.1100	0.167
102	IL0694-1	0.1316	3.1470	2.9749	0.027	2.9220	3.0277	1.9612	3.9885	0.1721	0.514
103	IL0710-1	0.1048	3.1480	3.0612	0.022	3.0177	3.1047	1.9260	4.1964	0.0788	0.577
104	IL0883-1	0.0189	2.9590	3.1521	0.106	2.9442	3.3600	0.4729	5.8313	-0.1931	1.355
105	IL0931-1	0.0310	3.1150	2.9590	0.062	2.8176	3.0604	0.8498	5.0282	0.1760	1.059
106	IL0984-1	11.7363	3.1640	3.1575	0.016	3.1260	3.1890	3.0458	3.2693	0.00647	0.052

Obs	IDNUM	Weight	Dep Var LAR	Predict Value	Std Err Predict	Lower95% Mean	Upper95% Mean	Lower95% Predict	Upper95% Predict	Residual	Std Err Residual
107	IL0990-1	0.0168	3.1010	2.9820	0.113	2.7591	3.2050	0.1481	5.8240	0.1190	1.437
108	IL1031-1	0.1171	2.6270	2.8620	0.059	2.7455	2.9786	1.7826	3.9415	-0.2350	0.543
109	IL1033-1	0.1171	2.6310	2.8647	0.059	2.7479	2.9814	1.7852	3.9441	-0.2337	0.543
110	IL1060-1	0.0160	3.0850	2.9332	0.117	2.7032	3.1632	0.0210	5.8454	0.1518	1.472
111	IL1077-1	6.0213	3.2330	3.3234	0.023	3.2777	3.3692	3.1670	3.4799	-0.0904	0.072
112	IL1078-1	6.0213	3.2200	3.3016	0.023	3.2560	3.3472	3.1451	3.4580	-0.0816	0.073
113	IL1134-1	7.4557	3.1050	3.2712	0.018	3.2366	3.3058	3.1323	3.4101	-0.1662	0.066
114	IL1264-1	0.0340	3.1350	3.1032	0.055	2.9942	3.2123	1.1087	5.0978	0.0318	1.012
115	IL1303-1	0.2599	3.1570	3.1996	0.022	3.1567	3.2426	2.4781	3.9212	-0.0426	0.366
116	IL1363-1	0.00910	2.7510	2.8576	0.207	2.4510	3.2643	-1.0133	6.7286	-0.1066	1.947
117	IL1382-1	0.00680	3.3580	3.1680	0.280	2.6168	3.7193	-1.3192	7.6552	0.1900	2.248
118	IL1459-1	0.0188	3.2840	3.0226	0.101	2.8242	3.2210	0.3370	5.7081	0.2614	1.359
119	IL1474-1	0.0106	2.7590	3.1200	0.183	2.7602	3.4798	-0.4648	6.7049	-0.3610	1.885
120	IN0115-1	0.6211	3.0950	3.0483	0.024	3.0001	3.0964	2.5798	3.5167	0.0467	0.236
121	IN0377-1	0.6211	3.1830	3.1311	0.013	3.1059	3.1562	2.6644	3.5977	0.0519	0.237
122	IN0494-1	5.2739	3.2470	3.2259	0.013	3.2003	3.2515	3.0639	3.3878	0.0211	0.080
123	IN0500-1	0.4584	3.1880	3.0968	0.013	3.0717	3.1220	2.5539	3.6398	0.0912	0.276
124	IN0512-1	6.5676	2.9840	3.0482	0.016	3.0377	3.0987	2.9217	3.2147	-0.0842	0.071
125	IN0531-1	0.4145	3.0760	3.0221	0.017	2.9879	3.0563	2.4507	3.5935	0.0539	0.290
126	IN0531-2	0.4145	3.0240	2.9763	0.016	2.9446	3.0080	2.4051	3.5476	0.0477	0.290
127	IN0543-1	0.1143	2.9970	2.9751	0.027	2.9222	3.0281	1.8877	4.0626	0.0219	0.552
128	IN0603-1	0.1214	3.2820	3.0856	0.022	3.0420	3.1292	2.0308	4.1405	0.1964	0.536
129	IN0695-1	0.6346	3.0030	2.9833	0.018	2.9470	3.0195	2.5209	3.4457	0.0197	0.234
130	IN0828-1	0.0276	3.0600	2.9472	0.068	2.8129	3.0815	0.7327	5.1617	0.1128	1.122
131	KS0030-1	0.1186	3.0700	2.9727	0.028	2.9169	3.0284	1.9049	4.0404	0.0973	0.542
132	KS0103-1	0.2971	2.9890	3.0214	0.025	2.9731	3.0698	2.3460	3.6969	-0.0324	0.342
133	KS0179-1	0.0242	2.8840	2.9883	0.078	2.7553	3.0614	0.5428	5.2739	-0.0243	1.198
134	KS0318-1	0.0297	3.1080	3.0074	0.065	2.8806	3.1342	0.8728	5.1420	0.1006	1.082
135	KS0398-1	0.0646	2.7730	2.9794	0.047	2.8870	3.0717	1.5316	4.4271	-0.2064	0.733
136	KS0525-1	0.00450	2.8300	2.9953	0.418	2.1729	3.8177	-2.5403	8.5309	-0.1653	2.753
137	KS0555-1	0.00410	3.3750	3.2558	0.464	2.3434	4.1681	-2.5514	9.0629	0.1192	2.880
138	KY0007-1	0.0294	2.3240	2.8889	0.073	2.7458	3.0319	0.7424	5.0353	-0.5649	1.087
139	KY0154-1	2.1655	3.1320	3.0034	0.024	2.9567	3.0500	2.7495	3.2572	0.1286	0.125
140	KY0380-1	17.6866	3.0720	3.1174	0.016	3.0853	3.1495	3.0244	3.2104	-0.0454	0.041
141	KY0392-1	0.0413	2.9610	2.9444	0.047	2.8520	3.0369	1.1351	4.7538	0.0166	0.918
142	KY0542-1	5.6064	3.0370	3.1831	0.016	3.1511	3.2151	3.0247	3.3415	-0.1461	0.077
143	KY0548-1	0.0446	2.9790	2.8803	0.049	2.7849	2.9756	1.1388	4.6217	0.0987	0.883
144	KY0625-1	0.0886	3.3090	3.0559	0.029	2.9989	3.1128	1.8209	4.2909	0.2531	0.627
145	KY0867-1	0.3287	3.0680	3.2917	0.035	3.2222	3.3612	2.6474	3.9360	-0.2237	0.324
146	KY0909-1	0.1727	2.9950	2.9953	0.023	2.9500	3.0406	2.1105	3.8801	-0.00033	0.449
147	KY1009-1	0.1384	2.7070	2.7863	0.115	2.5611	3.0115	1.7738	3.7987	-0.0793	0.489
148	LA0085-1	0.3323	2.9060	3.1303	0.028	3.0749	3.1858	2.4909	3.7698	-0.2243	0.323
149	LA0447-1	1.5499	3.0570	3.1783	0.019	3.1403	3.2163	2.8809	3.4757	-0.1213	0.149
150	LA0515-1	0.0935	2.8280	3.1386	0.048	3.0434	3.2338	1.9339	4.3433	-0.3106	0.609
151	LA0535-1	0.0467	3.0390	3.0286	0.053	2.9250	3.1322	1.3261	4.7310	0.0104	0.863
152	MA0125-1	1.2852	3.3120	3.2278	0.015	3.1990	3.2566	2.9026	3.5530	0.0842	0.164
153	MA0237-1	0.7992	3.0820	3.2287	0.012	3.2052	3.2522	2.8172	3.6401	-0.2267	0.209
154	MD0009-1	2.0697	3.1980	3.0781	0.035	3.0091	3.1471	2.8137	3.3426	0.1199	0.125
155	MD0009-2	2.0697	3.2730	3.1136	0.034	3.0476	3.1796	2.8499	3.3772	0.1594	0.125
156	MD0241-1	0.8050	3.1170	3.0735	0.017	3.0409	3.1061	2.6630	3.4841	0.0435	0.208
157	MD0322-1	0.8050	3.1290	3.1346	0.013	3.1086	3.1606	2.7245	3.5447	-0.00560	0.208
158	MD0354-1	0.7703	3.1700	3.0562	0.020	3.0178	3.0947	2.6360	3.4764	0.1138	0.212
159	MD0354-2	0.7703	3.3940	3.0881	0.016	3.0560	3.1203	2.6685	3.5078	0.3059	0.212