

Excerpt from the ASI-5

Most responses are coded 0 (less) to 4 (more).

2,142 respondents and 42 questions.

D1MONTH	Number of days used alcohol in the past 30.
D1LIFE	Number of years used alcohol in your lifetime.
D2MONTH	Number of days used alcohol to intoxication/past 30.
D2LIFE	Number of years used alcohol to intoxication/lifetime.
D3MONTH	Number of days used heroin in the past 30.
D3LIFE	Number of years used heroin in your lifetime.
D4MONTH	Number of days used methadone in the past 30.
D4LIFE	Number of years used methadone in your lifetime.
D5MONTH	Number of days used opiates/analgesics in past 30.
D5LIFE	Number of years used opiates/analgesics in lifetime.
D6MONTH	Number of days used barbiturates in the past 30.
D6LIFE	Number of years used barbiturates in lifetime.
D7MONTH	Number of days used sedatives in the past 30.
D7LIFE	Number of years used sedatives in lifetime.
D8MONTH	Number of days used cocaine in the past 30.
D8LIFE	Number of years used cocaine in lifetime.
D9MONTH	Number of days used amphetamines in the past 30.
D9LIFE	Number of years used amphetamines in lifetime.
D10MONTH	Number of days used cannabis in the past 30.
D10LIFE	Number of years used cannabis in lifetime.
D11MONTH	Number of days used hallucinogens in the past 30.
D11LIFE	Number of years used hallucinogens in lifetime.
D12MONTH	Number of days used inhalants in the past 30.
D12LIFE	Number of years used inhalants in lifetime.
D13MONTH	More than 1 substance per day, past 30 days.
D13LIFE	Number of years used more than 1 substance per day in lifetime.
D15.	How long was your last period of voluntary abstinence (months)?
D17.	How many times have you had Alcohol DT's (LIFETIME)?
D18.	How many times have you overdosed on Drugs?
D19.	Number of times in your life treated for Alcohol Abuse
D20.	Number of times in your life treated for Drug Abuse
D21.	How many of these were detox only? - Alcohol Abuse
D22.	How many of these were detox only? - Drug Abuse
D23.	How much money spent on Alcohol, past 30 days
D24.	How much money spent on Drugs, past 30 days
D25.	Number of days treated as outpatient for alcohol or da, past 30 days
D26.	Number of days experienced alcohol problems, past 30
D27.	Number of days experienced drug problems, past 30 days
D28.	Troubled or bothered by alcohol problems, past 30 days
D29.	Troubled or bothered by drug problems, past 30 days
D30.	How important is treatment for these alcohol problems?
D31.	How important is treatment for these drug problems?

```
> fact(Ditems,maxfactors=5)
$eigen.values
 [1] 7.687 4.083 3.847 3.081 2.009 1.409 1.319 1.230 1.173 1.133 1.002
[12] 0.971 0.939 0.898 0.859 0.799 0.767 0.759 0.706 0.676 0.626 0.560
[23] 0.537 0.501 0.496 0.442 0.396 0.379 0.354 0.328 0.289 0.253 0.216
[34] 0.212 0.189 0.177 0.166 0.133 0.126 0.115 0.103 0.057
```

```
$method
[1] "iterated principal factor - no rotation"
```

```
$loadings
      Factor1 Factor2 Factor3 Factor4 Factor5
D1M   -0.480   0.711  -0.204  -0.249   0.049
D1L   -0.488   0.225   0.414   0.311   0.151
D2M   -0.528   0.697  -0.119  -0.203   0.039
D2L   -0.433   0.236   0.440   0.352   0.131
D3M    0.558   0.083   0.311  -0.522  -0.077
D3L    0.558   0.084   0.454  -0.426  -0.050
D4M    0.509   0.057   0.353  -0.501  -0.038
D4L    0.394   0.075   0.343  -0.342   0.000
D5M    0.234   0.121   0.157  -0.188   0.078
D5L    0.322   0.142   0.406  -0.087   0.257
D6M    0.105   0.068   0.140  -0.078   0.077
D6L    0.189   0.108   0.290   0.036   0.313
D7M    0.255   0.191   0.215  -0.217   0.130
D7L    0.292   0.185   0.383  -0.029   0.316
D8M    0.420   0.426  -0.546   0.152  -0.051
D8L    0.460   0.089  -0.190   0.602   0.029
D9M    0.015   0.046  -0.057  -0.005   0.010
D9L    0.155   0.163   0.307   0.207   0.226
D10M   0.168   0.315  -0.258   0.047   0.195
D10L   0.308   0.101   0.049   0.405   0.307
D11M   0.075   0.044  -0.035  -0.066   0.049
D11L   0.143   0.102   0.199   0.112   0.228
D12M   0.005   0.036  -0.036  -0.021   0.034
D12L   0.067   0.059   0.127   0.079   0.086
D13M   0.434   0.670  -0.188  -0.102   0.078
D13L   0.400   0.284   0.285   0.515   0.288
D15    0.043   0.080   0.010   0.050  -0.081
D17   -0.166   0.108   0.230   0.056  -0.149
D18    0.316   0.099   0.310  -0.030  -0.046
D19   -0.182   0.181   0.449   0.430  -0.422
D20    0.626   0.145   0.264   0.223  -0.373
D21   -0.116   0.199   0.379   0.227  -0.429
D22    0.481   0.175   0.332  -0.043  -0.370
D23   -0.517   0.585  -0.067  -0.204   0.007
D24    0.635   0.371  -0.304  -0.078  -0.061
D25    0.123  -0.433   0.435   0.248  -0.037
D26   -0.612   0.417   0.186  -0.001  -0.115
D27    0.667   0.300  -0.206   0.131  -0.113
D28   -0.627   0.421   0.191   0.021  -0.112
D29    0.698   0.283  -0.249   0.230  -0.139
D30   -0.631   0.430   0.163   0.031  -0.109
D31    0.690   0.271  -0.273   0.216  -0.124
```

\$communalities

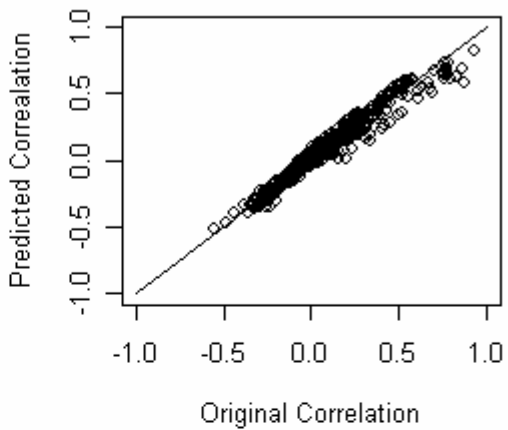
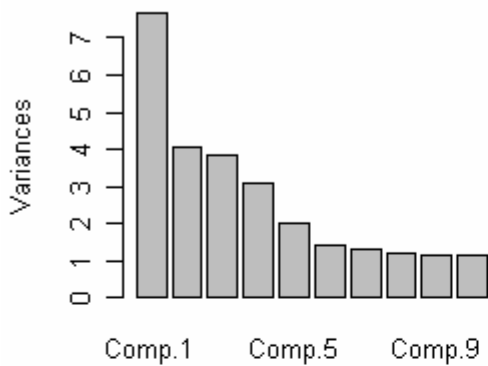
D1M	D1L	D2M	D2L	D3M	D3L	D4M	D4L	D5M	D5L	D6M	D6L
0.842	0.580	0.822	0.578	0.693	0.708	0.639	0.395	0.136	0.362	0.047	0.231
D7M	D7L	D8M	D8L	D9M	D9L	D10M	D10L	D11M	D11L	D12M	D12L
0.211	0.367	0.682	0.618	0.006	0.239	0.234	0.366	0.016	0.135	0.004	0.038
D13M	D13L	D15	D17	D18	D19	D20	D21	D22	D23	D24	D25
0.689	0.670	0.017	0.117	0.209	0.630	0.672	0.432	0.511	0.655	0.643	0.455
D26	D27	D28	D29	D30	D31						
0.597	0.607	0.620	0.702	0.622	0.686						

\$importance

	Factor1	Factor2	Factor3	Factor4	Factor5
variance explained	7.299	3.715	3.366	2.660	1.445
percent explained	0.174	0.088	0.080	0.063	0.034

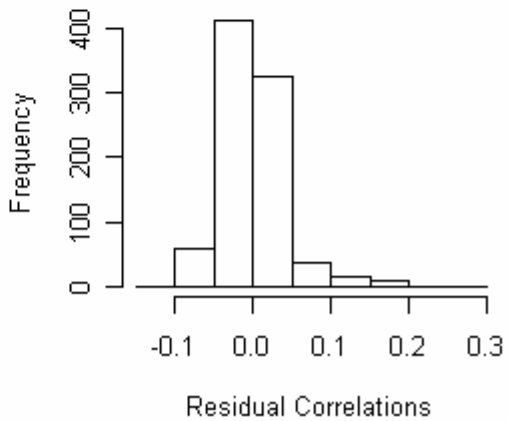
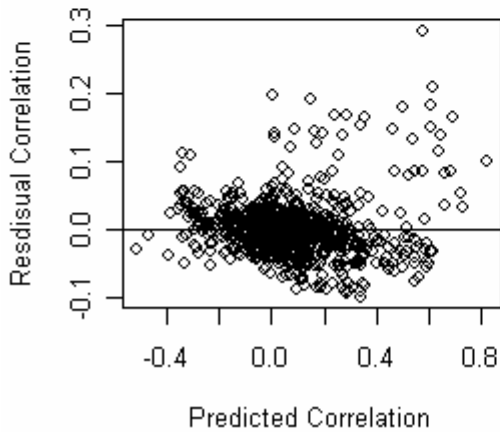
\$residuals

Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-0.100	-0.022	-0.004	0.000	0.015	0.294



r-squared= 0

mean= 0 s.d.= 0.042



```
> fact(Ditems,maxfactors=11)
```

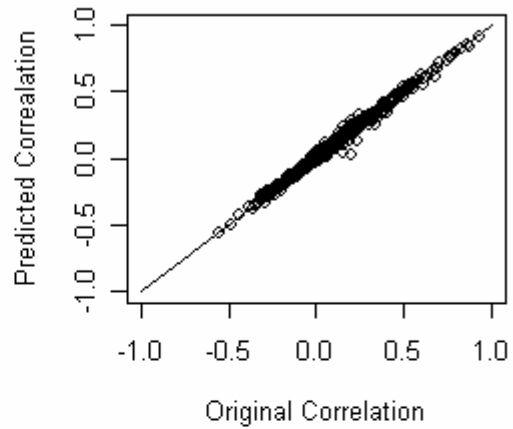
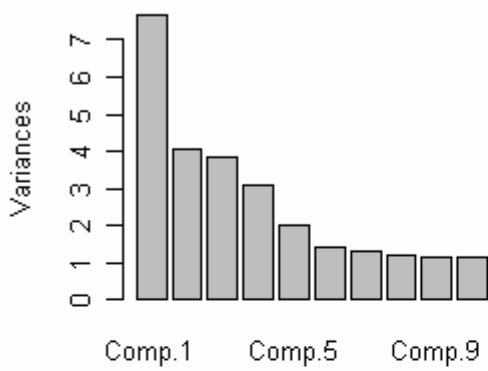
\$importance

	Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
variance explained	7.425	3.837	3.493	2.774	1.600	1.009	0.957
percent explained	0.177	0.091	0.083	0.066	0.038	0.024	0.023

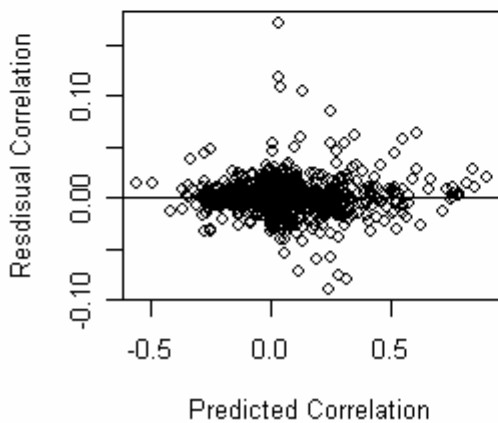
	Factor8	Factor9	Factor10	Factor11
variance explained	0.677	0.635	0.427	0.348
percent explained	0.016	0.015	0.010	0.008

\$residuals

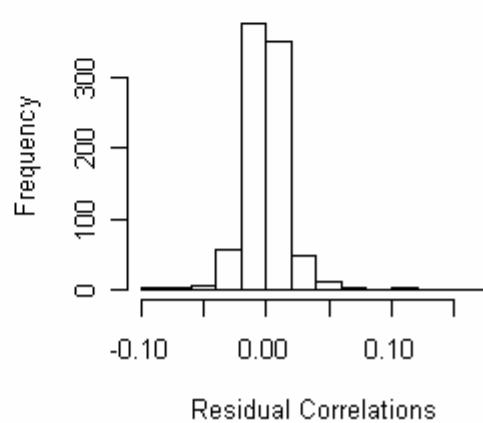
Min.	1st Qu.	Median	Mean	3rd Qu.	Max.
-0.090	-0.008	-0.001	0.000	0.008	0.173



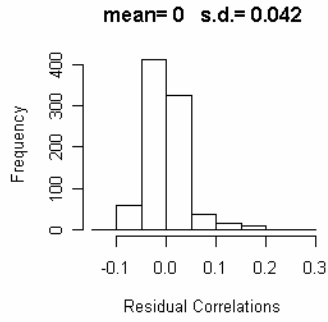
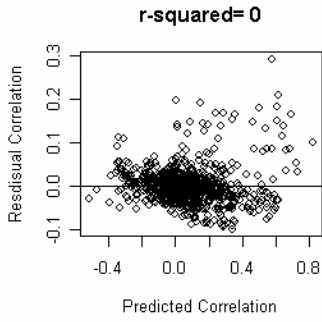
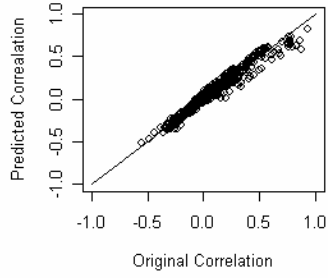
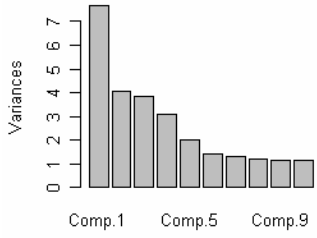
r-squared= 0



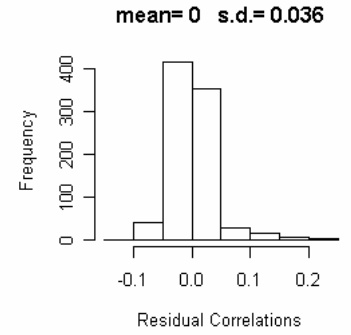
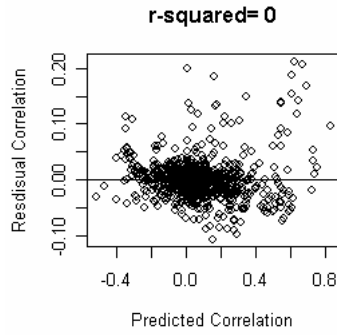
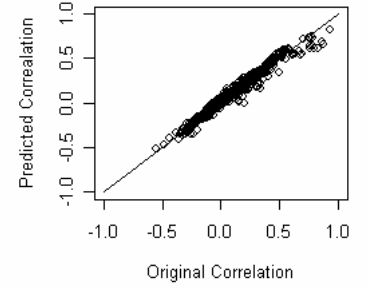
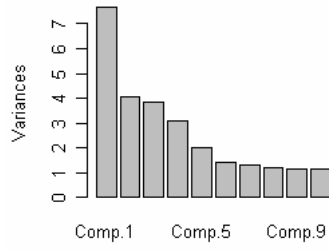
mean= 0 s.d.= 0.018



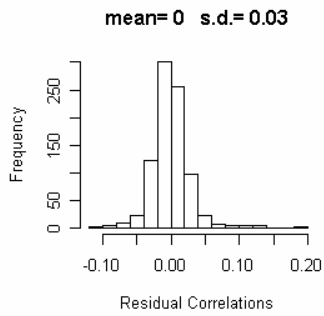
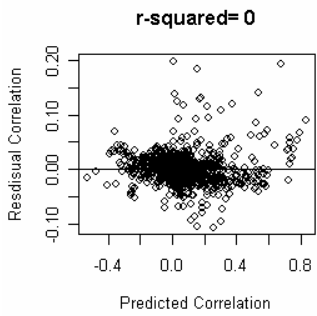
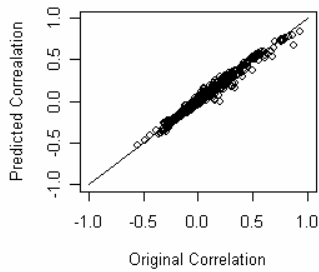
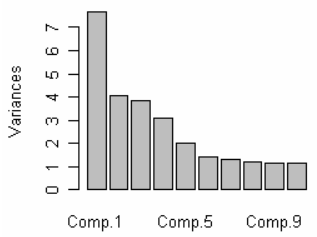
Five



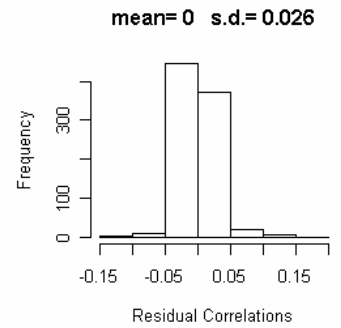
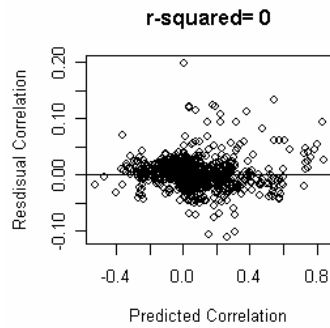
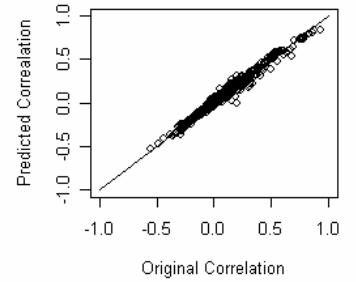
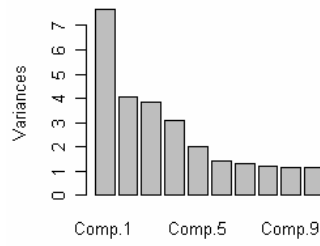
Six



Seven:



Eight:



```
> fact(Ditems,maxfactors=7)
```

```
$loadings
```

	Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
D1M	-0.479	0.689	-0.257	-0.259	0.055	-0.035	0.145
D1L	-0.495	0.258	0.409	0.309	0.161	-0.273	0.130
D2M	-0.526	0.678	-0.170	-0.213	0.044	-0.038	0.089
D2L	-0.438	0.270	0.432	0.348	0.138	-0.253	0.105
D3M	0.561	0.099	0.304	-0.535	-0.090	-0.245	-0.015
D3L	0.559	0.108	0.446	-0.436	-0.059	-0.201	-0.029
D4M	0.511	0.074	0.347	-0.512	-0.050	-0.228	-0.015
D4L	0.392	0.093	0.332	-0.345	-0.005	-0.100	-0.029
D5M	0.233	0.128	0.147	-0.191	0.073	0.095	0.050
D5L	0.325	0.170	0.405	-0.099	0.267	0.285	-0.051
D6M	0.105	0.076	0.135	-0.081	0.075	0.167	0.068
D6L	0.192	0.131	0.295	0.029	0.334	0.342	-0.035
D7M	0.255	0.202	0.200	-0.222	0.126	0.133	0.020
D7L	0.298	0.219	0.391	-0.041	0.350	0.385	-0.065
D8M	0.419	0.394	-0.569	0.155	-0.048	0.087	0.135
D8L	0.457	0.085	-0.184	0.596	0.032	-0.041	-0.021
D9M	0.015	0.042	-0.060	-0.005	0.008	0.020	-0.003
D9L	0.154	0.183	0.295	0.196	0.217	0.029	-0.044
D10M	0.168	0.298	-0.276	0.046	0.188	-0.036	0.151
D10L	0.308	0.110	0.048	0.402	0.298	-0.165	0.042
D11M	0.075	0.041	-0.038	-0.066	0.044	0.075	0.012
D11L	0.142	0.114	0.192	0.105	0.219	0.089	-0.038
D12M	0.005	0.033	-0.038	-0.021	0.032	-0.001	0.049
D12L	0.067	0.067	0.122	0.074	0.084	0.044	-0.046
D13M	0.435	0.661	-0.233	-0.110	0.074	-0.089	0.192
D13L	0.404	0.317	0.281	0.525	0.302	-0.300	0.049
D15	0.042	0.080	0.006	0.049	-0.078	0.040	0.013
D17	-0.166	0.122	0.220	0.050	-0.147	0.058	0.017
D18	0.314	0.118	0.300	-0.036	-0.048	0.008	-0.049
D19	-0.185	0.217	0.446	0.429	-0.434	0.165	0.175
D20	0.620	0.164	0.254	0.215	-0.359	0.022	0.043
D21	-0.120	0.235	0.385	0.235	-0.480	0.218	0.297
D22	0.478	0.194	0.317	-0.048	-0.367	0.023	0.117
D23	-0.515	0.570	-0.111	-0.213	0.012	0.018	0.074
D24	0.633	0.350	-0.325	-0.077	-0.061	0.050	0.099
D25	0.122	-0.400	0.465	0.248	-0.042	-0.100	-0.106
D26	-0.621	0.439	0.157	-0.014	-0.116	-0.002	-0.322
D27	0.669	0.294	-0.225	0.133	-0.116	-0.040	-0.234
D28	-0.640	0.450	0.165	0.008	-0.114	0.007	-0.371
D29	0.704	0.279	-0.269	0.238	-0.144	0.001	-0.286
D30	-0.642	0.454	0.134	0.019	-0.109	-0.008	-0.341
D31	0.696	0.265	-0.292	0.223	-0.128	0.004	-0.278

```
$importance
```

	Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
variance explained	7.365	3.769	3.432	2.715	1.532	0.952	0.901
percent explained	0.175	0.090	0.082	0.065	0.036	0.023	0.021

Rotations with the Subject Data (page 73)

```
> fact(r=subject)
```

```
$method
```

```
[1] "iterated principal factor - no rotation"
```

```
$loadings
```

	Factor1	Factor2
French	0.591	-0.376
English	0.594	-0.234
History	0.430	-0.412
Arithmetic	0.710	0.341
Algebra	0.696	0.271
Geometry	0.584	0.184

```
$communalities
```

	French	English	History	Arithmetic	Algebra	Geometry
	0.490	0.408	0.355	0.621	0.558	0.375

```
$importance
```

	Factor1	Factor2
variance explained	2.216	0.590
percent explained	0.369	0.098

```
> fact(r=subject,rotation="varimax")
```

```
$method
```

```
[1] "iterated principal factor - varimax rotation"
```

```
$loadings
```

	Factor1	Factor2
French	0.231	0.661
English	0.321	0.552
History	0.082	0.590
Arithmetic	0.769	0.172
Algebra	0.714	0.218
Geometry	0.572	0.217

```
$communalities
```

	French	English	History	Arithmetic	Algebra	Geometry
	0.490	0.408	0.355	0.621	0.558	0.375

```
$importance
```

	Factor1	Factor2
variance explained	1.592	1.214
percent explained	0.265	0.202

```
> fact(Ditems,maxfactors=7,rotation="varimax")
```

\$loadings

	Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
D1M	-0.124	-0.625	-0.057	-0.665	-0.094	-0.048	0.028
D1L	-0.388	-0.398	-0.129	0.022	0.005	0.569	0.204
D2M	-0.149	-0.679	-0.071	-0.570	-0.072	-0.011	0.054
D2L	-0.328	-0.385	-0.119	0.055	0.036	0.580	0.236
D3M	0.098	0.124	0.855	-0.012	0.089	-0.055	-0.066
D3L	0.076	0.109	0.833	0.074	0.199	0.031	0.006
D4M	0.041	0.112	0.818	0.019	0.123	-0.032	-0.069
D4L	0.035	0.061	0.597	0.038	0.198	-0.004	-0.013
D5M	0.029	0.050	0.265	-0.100	0.244	-0.046	0.020
D5L	0.032	0.036	0.262	0.028	0.623	0.047	0.034
D6M	-0.031	0.037	0.094	-0.061	0.241	-0.044	0.068
D6L	0.002	0.031	0.032	0.003	0.604	0.066	0.007
D7M	0.038	-0.001	0.305	-0.120	0.344	-0.037	0.010
D7L	0.047	0.006	0.162	-0.006	0.730	0.055	0.028
D8M	0.621	0.157	-0.096	-0.533	-0.038	-0.017	0.042
D8L	0.574	0.293	-0.203	0.006	0.050	0.376	0.088
D9M	0.045	-0.010	-0.018	-0.055	0.004	-0.020	-0.015
D9L	0.068	-0.040	0.061	0.055	0.344	0.311	0.059
D10M	0.214	0.042	-0.034	-0.424	0.048	0.134	-0.082
D10L	0.237	0.187	-0.049	-0.039	0.171	0.510	-0.057
D11M	0.041	0.030	0.031	-0.077	0.082	-0.062	-0.029
D11L	0.050	0.006	0.032	0.018	0.321	0.179	-0.006
D12M	-0.006	0.012	-0.001	-0.078	0.003	0.003	-0.011
D12L	0.040	-0.022	0.018	0.042	0.162	0.098	0.021
D13M	0.437	-0.048	0.311	-0.646	0.114	0.147	0.044
D13L	0.302	0.093	0.108	-0.019	0.256	0.787	0.080
D15	0.081	-0.018	0.005	-0.022	0.014	-0.001	0.104
D17	-0.101	-0.194	0.008	0.075	0.038	0.023	0.251
D18	0.133	0.036	0.326	0.103	0.220	0.084	0.131
D19	-0.041	-0.189	-0.111	0.194	0.055	0.182	0.766
D20	0.473	0.236	0.355	0.131	0.124	0.135	0.444
D21	-0.074	-0.119	0.005	0.046	0.047	0.026	0.784
D22	0.255	0.132	0.483	0.042	0.110	0.004	0.434
D23	-0.185	-0.620	-0.074	-0.466	-0.047	-0.064	0.079
D24	0.582	0.225	0.263	-0.425	0.085	-0.063	0.023
D25	-0.112	0.224	0.082	0.580	0.072	0.234	0.099
D26	-0.133	-0.820	-0.127	0.046	-0.025	0.005	0.111
D27	0.768	0.117	0.226	-0.088	0.073	0.065	-0.026
D28	-0.115	-0.859	-0.149	0.077	-0.014	0.009	0.103
D29	0.868	0.139	0.145	-0.040	0.076	0.070	-0.008
D30	-0.114	-0.843	-0.164	0.045	-0.036	0.022	0.102
D31	0.855	0.150	0.134	-0.054	0.070	0.056	-0.030

\$importance

	Factor1	Factor2	Factor3	Factor4	Factor5	Factor6	Factor7
variance explained	4.265	4.195	3.641	2.54	2.123	2.021	1.881
percent explained	0.102	0.100	0.087	0.06	0.051	0.048	0.045