iqbal try 5.amw

Analysis Summary

Date and Time

Date: Saturday, 9 July 2022
Time: 5:58:53 am

Title

iqbal try 5: Thursday, 9 July 2022 5:58 am

Groups

Group number 1 (Group number 1)

Notes for Group (Group number 1)

The model is recursive.
Sample size = 108

Variable Summary (Group number 1)

Your model contains the following variables (Group number 1)

Observed, endogenous variables
  GEN
  EDU
  AGE
  TIME
  ACCESS
  COM
  RELE
  PROD
  EFF
  RATE
  INTEG

RELI

CORR

Unobserved, endogenous variables

IQ

EP

SQ

Unobserved, exogenous variables

DEMO

e1

e2

e3

e4

e5

e6

e7

e8

e9

e10

e11

e12

e13

e14

Variable counts (Group number 1)

Number of variables in your model:	31
Number of observed variables:	13
Number of unobserved variables:	18
Number of exogenous variables:	15
Number of endogenous variables:	16

Parameter Summary (Group number 1)

	Weights	Covariances	Variances	Means
Fixed	20	0	0	15
Labeled	0	0	0	0
Unlabeled	11	0	15	0
Total	31	0	15	15

Assessment of normality (Group number 1)

Variable	min	max	skew	c.r.
CORR	2	5	0.256	1.087

RELI		2	5	0.292	1.239
INTEG		2	5	-0.696	-2.952
RATE		2	5	0.08	0.34
EFF		2	5	0.172	0.73
PROD		2	5	0.283	1.2
RELE		2	5	-0.375	-1.592
COM		2	5	-1.003	-4.255
ACCESS		2	5	-0.814	-3.455
TIME		1	4	-0.103	-0.438
AGE		2	4	-0.126	-0.536
EDU		1	4	-0.443	-1.878
GEN		1	3	0.545	2.312
Multivariate					

Observations farthest from the centroid (Mahalanobis distance) (

Observation number	Mahalanobis d-squared	p1	p2
30	35.753	0.001	0.068
37	30.565	0.004	0.067
29	29.348	0.006	0.026
39	26.627	0.014	0.066
82	26.178	0.016	0.031
38	24.889	0.024	0.045
54	24.879	0.024	0.015
26	24.693	0.025	0.006
53	23.252	0.039	0.025
76	22.267	0.051	0.051
23	20.907	0.075	0.184
84	20.546	0.082	0.179
50	20.341	0.087	0.145
41	20.276	0.089	0.096
27	19.872	0.098	0.109
31	19.295	0.114	0.168
51	19.254	0.115	0.115
87	19.225	0.116	0.074
49	18.836	0.128	0.094
83	18.635	0.135	0.086
80	18.152	0.152	0.137
36	17.951	0.159	0.131
1	17.311	0.185	0.265
2	16.827	0.207	0.388
97	16.2	0.239	0.605
81	15.887	0.255	0.671
89	15.574	0.273	0.736

47	15.123	0.3	0.847
52	14.998	0.307	0.837
63	14.97	0.309	0.79
85	14.798	0.32	0.799
77	14.225	0.358	0.927
98	14.224	0.358	0.894
48	14.22	0.359	0.853
55	14.103	0.367	0.846
9	13.957	0.377	0.849
42	13.75	0.392	0.874
104	13.749	0.392	0.828
91	13.716	0.394	0.788
7	13.645	0.399	0.761
5	13.602	0.402	0.718
28	13.517	0.409	0.696
10	13.491	0.411	0.639
32	13.371	0.42	0.636
95	13.027	0.446	0.759
96	12.863	0.458	0.78
100	12.69	0.472	0.806
67	12.447	0.491	0.858
70	12.447	0.491	0.81
78	12.246	0.508	0.847
61	12.193	0.512	0.821
79	12.185	0.513	0.771
3	12.146	0.516	0.731
14	12.142	0.516	0.667
18	12.058	0.523	0.648
72	12.034	0.525	0.591
73	11.938	0.533	0.58
60	11.884	0.537	0.54
46	11.874	0.538	0.471
34	11.804	0.544	0.442
88	11.586	0.562	0.515
25	11.459	0.572	0.527
105	10.908	0.618	0.803
75	10.768	0.63	0.819
21	10.423	0.659	0.911
4	10.407	0.66	0.881
8	10.364	0.664	0.855
56	9.992	0.695	0.94
93	9.772	0.712	0.961
40	9.702	0.718	0.955
16	9.693	0.719	0.934

74	9.399	0.742	0.969
17	9.102	0.765	0.987
108	9.032	0.771	0.984
59	8.941	0.777	0.983
20	8.919	0.779	0.974
101	8.576	0.804	0.992
44	8.373	0.818	0.995
13	8.37	0.819	0.991
65	8.31	0.823	0.988
33	8.306	0.823	0.979
99	8.25	0.827	0.973
35	8.202	0.83	0.963
43	8.189	0.831	0.942
15	8.148	0.834	0.921
68	8.127	0.835	0.887
6	8.103	0.837	0.844
103	7.98	0.845	0.841
24	7.749	0.86	0.883
107	7.723	0.861	0.836
45	7.647	0.866	0.805
90	7.471	0.876	0.822
71	7.313	0.885	0.828
92	6.757	0.914	0.957
19	6.682	0.918	0.94
64	6.567	0.923	0.928
66	6.491	0.926	0.9
69	6.491	0.926	0.829
86	6.491	0.926	0.729
94	6.236	0.937	0.761

Sample Moments (Group number 1)

Sample Covariances (Group number 1)

	CORR	RELI	INTEG	RATE
CORR	0.451			
RELI	0.19	0.764		
INTEG	-0.163	-0.088	0.58	
RATE	0.072	0.258	0.017	0.618
EFF	0.197	0.591	-0.005	0.367
PROD	0.17	0.344	0.075	0.252
RELE	-0.038	0.003	0.118	0.025
COM	-0.173	-0.102	0.359	0.036

ACCESS	-0.15	-0.066	0.306	-0.024
TIME	0.148	0.125	0.093	0.176
AGE	-0.026	-0.051	-0.122	-0.084
EDU	0.028	-0.036	0.011	0.052
GEN	0.12	0.064	-0.103	0.096

Condition number = 29.797

Eigenvalues

2.220 1.564 .758 .503 .440 .410 .331 .258 .231 .199 .181 .152 .075

Determinant of sample covariance matrix = .000

Sample Correlations (Group number 1)

	CORR	RELI	INTEG	RATE
CORR	1			
RELI	0.324	1		
INTEG	-0.318	-0.132	1	
RATE	0.136	0.375	0.029	1
EFF	0.293	0.676	-0.006	0.466
PROD	0.254	0.396	0.098	0.322
RELE	-0.118	0.007	0.324	0.066
COM	-0.327	-0.148	0.598	0.058
ACCESS	-0.342	-0.115	0.613	-0.047
TIME	0.342	0.222	0.188	0.347
AGE	-0.05	-0.076	-0.209	-0.139
EDU	0.068	-0.068	0.023	0.109
GEN	0.351	0.143	-0.265	0.238

Condition number = 17.175

Eigenvalues

3.129 3.018 1.233 1.033 .872 .726 .656 .585 .542 .394 .380 .250 .182

Sample Means (Group number 1)

	CORR	RELI	INTEG	RATE
	3.222	2.935	3.648	3.259

Models

Default model (Default model)

Notes for Model (Default model)

Computation of degrees of freedom (Default model)

Number of distinct sample moments:	104
Number of distinct parameters to be estimated:	39
Degrees of freedom (104 - 39):	65

Result (Default model)

Minimum was achieved

Chi-square = 327.293

Degrees of freedom = 65

Probability level = .000

Group number 1 (Group number 1 - Default model)

Estimates (Group number 1 - Default model)

Scalar Estimates (Group number 1 - Default model)

Maximum Likelihood Estimates

Regression Weights: (Group number 1 - Default model)

			Estimate	S.E.
SQ	<---	DEMO	0.349	0.845
IQ	<---	DEMO	3.45	1.993
EP	<---	IQ	1.768	0.671
EP	<---	SQ	14.26	33.775
GEN	<---	DEMO	1	
EDU	<---	DEMO	0.533	0.735
AGE	<---	DEMO	-2.071	1.395
TIME	<---	IQ	1	
ACCESS	<---	IQ	0.107	0.207
COM	<---	IQ	0.123	0.256
RELE	<---	IQ	0.374	0.166
PROD	<---	EP	1	
EFF	<---	EP	1.301	0.24
RATE	<---	EP	0.689	0.165
INTEG	<---	SQ	1	

			Estimate	S.E.
RELI	<---	SQ	19.281	45.678
CORR	<---	SQ	1	

Standardized Regression Weights: (Group number 1 - Default mod

			Estimate
SQ	<---	DEMO	1
IQ	<---	DEMO	1
EP	<---	IQ	0.878
EP	<---	SQ	0.272
GEN	<---	DEMO	0.184
EDU	<---	DEMO	0.075
AGE	<---	DEMO	-0.232
TIME	<---	IQ	0.548
ACCESS	<---	IQ	0.037
COM	<---	IQ	0.014
RELE	<---	IQ	0.21
PROD	<---	EP	0.446
EFF	<---	EP	0.783
RATE	<---	EP	0.541
INTEG	<---	SQ	0.148
RELI	<---	SQ	0.702
CORR	<---	SQ	0.338

Intercepts: (Group number 1 - Default model)

	Estimate	S.E.
GEN	1.417	0.049
EDU	2.583	0.059
AGE	3.074	0.074
TIME	2.5	0.065
ACCESS	3.843	0.063
COM	3.861	0.076
RELE	4.046	0.046
PROD	3.028	0.091
EFF	3.407	0.098
RATE	3.259	0.077
INTEG	3.648	0.075
RELI	2.935	0.085
CORR	3.222	0.065

Variances: (Group number 1 - Default model)

	Estimate	S.E.
DEMO	0.009	0.01
e14	-0.057	0.034
e1	0.253	0.035
e2	0.371	0.051
e3	0.555	0.077
e4	0.318	0.047
e5	0.428	0.059
e6	0.619	0.085
e7	0.219	0.03
e8	0.712	0.107
e9	0.399	0.096
e10	0.443	0.068
e11	0.588	0.081
e12	0.387	0.061
e13	0.399	0.056

Squared Multiple Correlations: (Group number 1 - Default model)

	Estimate
EP	1.324
CORR	0.115
RELI	0.493
INTEG	0.022
RATE	0.293
EFF	0.614
PROD	0.199
RELE	0.044
COM	0
ACCESS	0.001
TIME	0.301
AGE	0.054
EDU	0.006
GEN	0.034

Matrices (Group number 1 - Default model)

Implied (for all variables) Covariances (Group number 1 - Default r

	DEMO	SQ	IQ	EP
DEMO	0.009			
SQ	0.011	0.013		

IQ	0.035	0.042	0.137	
EP	0.046	0.055	0.179	0.177
CORR	0.021	0.026	0.084	0.11
RELI	0.058	0.07	0.227	0.297
INTEG	0.011	0.013	0.042	0.055
RATE	0.046	0.057	0.182	0.18
EFF	0.086	0.105	0.338	0.335
PROD	0.046	0.055	0.179	0.177
RELE	0.009	0.012	0.037	0.049
COM	0.001	0.001	0.004	0.005
ACCESS	0.002	0.003	0.009	0.012
TIME	0.035	0.042	0.137	0.179
AGE	-0.017	-0.02	-0.066	-0.086
EDU	0.004	0.005	0.017	0.022
GEN	0.009	0.011	0.035	0.046

Implied (for all variables) Correlations (Group number 1 - Default

	DEMO	SQ	IQ	EP
DEMO	1			
SQ	1	1		
IQ	1	1	1	
EP	1.151	1.151	1.151	1
CORR	0.338	0.338	0.338	0.389
RELI	0.702	0.702	0.702	0.808
INTEG	0.148	0.148	0.148	0.17
RATE	0.623	0.623	0.623	0.541
EFF	0.901	0.901	0.901	0.783
PROD	0.513	0.513	0.513	0.446
RELE	0.21	0.21	0.21	0.242
COM	0.014	0.014	0.014	0.016
ACCESS	0.037	0.037	0.037	0.043
TIME	0.548	0.548	0.548	0.631
AGE	-0.232	-0.232	-0.232	-0.267
EDU	0.075	0.075	0.075	0.087
GEN	0.184	0.184	0.184	0.212

Implied (for all variables) Means (Group number 1 - Default mode

	DEMO	SQ	IQ	EP
	0	0	0	0

Implied Covariances (Group number 1 - Default model)

	CORR	RELI	INTEG	RATE
CORR	0.451			
RELI	0.139	0.764		
INTEG	0.026	0.07	0.601	
RATE	0.112	0.303	0.057	0.627
EFF	0.208	0.562	0.105	0.341
PROD	0.11	0.297	0.055	0.18
RELE	0.023	0.062	0.012	0.05
COM	0.002	0.007	0.001	0.005
ACCESS	0.006	0.015	0.003	0.012
TIME	0.084	0.227	0.042	0.182
AGE	-0.04	-0.109	-0.02	-0.088
EDU	0.01	0.028	0.005	0.023
GEN	0.021	0.058	0.011	0.046

Implied Correlations (Group number 1 - Default model)

	CORR	RELI	INTEG	RATE
CORR	1			
RELI	0.238	1		
INTEG	0.05	0.104	1	
RATE	0.211	0.437	0.092	1
EFF	0.305	0.633	0.133	0.424
PROD	0.174	0.361	0.076	0.242
RELE	0.071	0.148	0.031	0.131
COM	0.005	0.01	0.002	0.009
ACCESS	0.013	0.026	0.006	0.023
TIME	0.186	0.385	0.081	0.342
AGE	-0.079	-0.163	-0.034	-0.145
EDU	0.025	0.053	0.011	0.047
GEN	0.062	0.129	0.027	0.115

Implied Means (Group number 1 - Default model)

	CORR	RELI	INTEG	RATE
	3.222	2.935	3.648	3.259

Residual Covariances (Group number 1 - Default model)

	CORR	RELI	INTEG	RATE
CORR	0			
RELI	0.051	0		

	CORR	RELI	INTEG	RATE
INTEG	-0.189	-0.158	-0.021	
RATE	-0.04	-0.045	-0.039	-0.009
EFF	-0.012	0.029	-0.11	0.025
PROD	0.06	0.047	0.019	0.072
RELE	-0.061	-0.059	0.107	-0.025
COM	-0.175	-0.108	0.357	0.031
ACCESS	-0.156	-0.081	0.303	-0.036
TIME	0.064	-0.102	0.05	-0.006
AGE	0.015	0.059	-0.102	0.004
EDU	0.017	-0.064	0.006	0.03
GEN	0.099	0.006	-0.114	0.049

Residual Means (Group number 1 - Default model)

	CORR	RELI	INTEG	RATE
	0	0	0	0

Standardized Residual Covariances (Group number 1 - Default mo

	CORR	RELI	INTEG	RATE
CORR	0			
RELI	0.872	0		
INTEG	-3.743	-2.397	-0.261	
RATE	-0.763	-0.621	-0.661	-0.107
EFF	-0.168	0.286	-1.428	0.3
PROD	0.962	0.557	0.269	0.965
RELE	-1.957	-1.439	2.967	-0.668
COM	-3.432	-1.627	6.055	0.509
ACCESS	-3.665	-1.459	6.169	-0.72
TIME	1.444	-1.669	0.991	-0.117
AGE	0.295	0.893	-1.769	0.065
EDU	0.438	-1.247	0.121	0.637
GEN	2.977	0.145	-2.977	1.251

Standardized Residual Means (Group number 1 - Default model)

	CORR	RELI	INTEG	RATE
	0	0	0	0

Factor Score Weights (Group number 1 - Default model)

	CORR	RELI	INTEG	RATE

DEMO	0.004	0.011	0.001	0.028
SQ	0.005	0.013	0.002	0.034
IQ	0.015	0.043	0.005	0.111
EP	0.074	0.207	0.025	0.049

Total Effects (Group number 1 - Default model)

	DEMO	SQ	IQ	EP
SQ	1.219	0	0	0
IQ	3.931	0	0	0
EP	5.15	1	1	0
CORR	2.417	1.982	0	0
RELI	6.53	5.356	0	0
INTEG	1.219	1	0	0
RATE	5.248	1.019	1.019	1.019
EFF	9.741	1.892	1.892	1.892
PROD	5.15	1	1	1
RELE	1.072	0	0.273	0
COM	0.115	0	0.029	0
ACCESS	0.261	0	0.066	0
TIME	3.931	0	1	0
AGE	-1.894	0	0	0
EDU	0.488	0	0	0
GEN	1	0	0	0

Standardized Total Effects (Group number 1 - Default model)

	DEMO	SQ	IQ	EP
SQ	1	0	0	0
IQ	1	0	0	0
EP	1.151	0.272	0.878	0
CORR	0.338	0.338	0	0
RELI	0.702	0.702	0	0
INTEG	0.148	0.148	0	0
RATE	0.623	0.147	0.476	0.541
EFF	0.901	0.213	0.688	0.783
PROD	0.513	0.122	0.392	0.446
RELE	0.21	0	0.21	0
COM	0.014	0	0.014	0
ACCESS	0.037	0	0.037	0
TIME	0.548	0	0.548	0
AGE	-0.232	0	0	0
EDU	0.075	0	0	0

GEN	0.184	0	0	0

Direct Effects (Group number 1 - Default model)

	DEMO	SQ	IQ	EP
SQ	1.219	0	0	0
IQ	3.931	0	0	0
EP	0	1	1	0
CORR	0	1.982	0	0
RELI	0	5.356	0	0
INTEG	0	1	0	0
RATE	0	0	0	1.019
EFF	0	0	0	1.892
PROD	0	0	0	1
RELE	0	0	0.273	0
COM	0	0	0.029	0
ACCESS	0	0	0.066	0
TIME	0	0	1	0
AGE	-1.894	0	0	0
EDU	0.488	0	0	0
GEN	1	0	0	0

Standardized Direct Effects (Group number 1 - Default model)

	DEMO	SQ	IQ	EP
SQ	1	0	0	0
IQ	1	0	0	0
EP	0	0.272	0.878	0
CORR	0	0.338	0	0
RELI	0	0.702	0	0
INTEG	0	0.148	0	0
RATE	0	0	0	0.541
EFF	0	0	0	0.783
PROD	0	0	0	0.446
RELE	0	0	0.21	0
COM	0	0	0.014	0
ACCESS	0	0	0.037	0
TIME	0	0	0.548	0
AGE	-0.232	0	0	0
EDU	0.075	0	0	0
GEN	0.184	0	0	0

Indirect Effects (Group number 1 - Default model)

	DEMO	SQ	IQ	EP
SQ	0	0	0	0
IQ	0	0	0	0
EP	5.15	0	0	0
CORR	2.417	0	0	0
RELI	6.53	0	0	0
INTEG	1.219	0	0	0
RATE	5.248	1.019	1.019	0
EFF	9.741	1.892	1.892	0
PROD	5.15	1	1	0
RELE	1.072	0	0	0
COM	0.115	0	0	0
ACCESS	0.261	0	0	0
TIME	3.931	0	0	0
AGE	0	0	0	0
EDU	0	0	0	0
GEN	0	0	0	0

Standardized Indirect Effects (Group number 1 - Default model)

	DEMO	SQ	IQ	EP
SQ	0	0	0	0
IQ	0	0	0	0
EP	1.151	0	0	0
CORR	0.338	0	0	0
RELI	0.702	0	0	0
INTEG	0.148	0	0	0
RATE	0.623	0.147	0.476	0
EFF	0.901	0.213	0.688	0
PROD	0.513	0.122	0.392	0
RELE	0.21	0	0	0
COM	0.014	0	0	0
ACCESS	0.037	0	0	0
TIME	0.548	0	0	0
AGE	0	0	0	0
EDU	0	0	0	0
GEN	0	0	0	0

Notes for Group/Model (Group number 1 - Default model)

The following variances are negative. (Group number 1 - Default m

	e14
	-0.057

This solution is not admissible.

Modification Indices (Group number 1 - Default model)

Covariances: (Group number 1 - Default model)

			M.I.	Par Change
e11	<-->	e13	12.902	-0.169
e11	<-->	e12	5.106	-0.108
e7	<-->	e13	4.606	-0.062
e7	<-->	e12	4.715	-0.064
e7	<-->	e11	11.23	0.117
e6	<-->	e13	13.429	-0.177
e6	<-->	e12	5.621	-0.116
e6	<-->	e11	37.76	0.359
e6	<-->	e8	6.717	0.169
e6	<-->	e7	10.723	0.117
e5	<-->	e13	15.339	-0.157
e5	<-->	e12	4.532	-0.087
e5	<-->	e11	39.629	0.306
e5	<-->	e7	37.363	0.181
e5	<-->	e6	48.91	0.348
e4	<-->	e13	5.041	0.079
e4	<-->	e12	4.831	-0.078
e4	<-->	e11	4.869	0.094
e4	<-->	e6	4.938	0.097
e3	<-->	e11	4.615	-0.119
e3	<-->	e8	7.614	-0.171
e3	<-->	e6	11.451	-0.192
e3	<-->	e5	5.83	-0.114
e3	<-->	e4	6.366	-0.104
e1	<-->	e13	10.528	0.1
e1	<-->	e11	8.023	-0.106
e1	<-->	e7	8.413	-0.066
e1	<-->	e6	6.928	-0.101
e1	<-->	e5	12.575	-0.113

Variances: (Group number 1 - Default model)

	M.I.	Par Change

Regression Weights: (Group number 1 - Default model)

	M.I.	Par Change

Means: (Group number 1 - Default model)

	M.I.	Par Change

Intercepts: (Group number 1 - Default model)

	M.I.	Par Change

Minimization History (Default model)

Iteration		Negative eigenvalues	Condition #	Smallest eigenvalue
0	e	5		-0.435
1	e	3		-0.236
2	e	1		-0.04
3	e	0	8994.802	
4	e	0	1313.206	
5	e	0	1979.893	
6	e	0	3444	
7	e	0	6139.796	
8	e	0	19270.604	
9	e	0	65719.708	
10	e	0	130409.448	
11	e	0	272025.04	
12	e	0	302823.69	
13	e	0	325132.259	
14	e	0	333375.518	
15	e	0	326834.961	
16	e	0	331240.714	

Pairwise Parameter Comparisons (Default model)

Variance-covariance Matrix of Estimates (Default model)

	par_1	par_2	par_3	par_4
par_1	0.52			
par_2	-0.268	1.696		

par_3	0.004	-0.01	0.032	
par_4	-0.002	-0.014	0.002	0.049
par_5	0.004	-0.005	0.002	0.001
par_6	0.032	0.034	0	-0.015
par_7	0.013	0.027	-0.001	-0.005
par_8	-0.026	0.299	-0.059	-0.112
par_9	-0.036	0.122	-0.028	-0.043
par_10	0.198	-0.737	0.019	0.024
par_11	0.603	-2.187	0.013	0.011
par_12	0	0	0	0
par_13	0	0	0	0
par_14	0	0	0	0
par_15	0	0	0	0
par_16	0	0	0	0
par_17	0	0	0	0
par_18	0	0	0	0
par_19	0	0	0	0
par_20	0	0	0	0
par_21	0	0	0	0
par_22	0	0	0	0
par_23	0	0	0	0
par_24	0	0	0	0
par_25	-0.003	0.01	0	0
par_26	-0.001	0.003	0	-0.001
par_27	0.001	-0.001	0	0
par_28	0	0	0	0
par_29	0.001	0.002	0	0
par_30	0.002	0.001	0	0
par_31	0	0	0	0
par_32	0	0	0	0
par_33	0	0	0	0
par_34	0.004	0.008	0	-0.003
par_35	-0.005	-0.004	0	0.004
par_36	0	-0.004	0	0
par_37	0	0	0	0
par_38	0.003	-0.001	0.001	0.001
par_39	0.002	-0.001	0	0

Correlations of Estimates (Default model)

	par_1	par_2	par_3	par_4
par_1	1			
par_2	-0.286	1		
par_3	0.034	-0.044	1	

	par_1	par_2	par_3	par_4
par_4	-0.011	-0.05	0.062	1
par_5	0.041	-0.028	0.078	0.025
par_6	0.116	0.069	0.002	-0.176
par_7	0.074	0.088	-0.03	-0.098
par_8	-0.011	0.067	-0.097	-0.149
par_9	-0.036	0.067	-0.108	-0.138
par_10	0.269	-0.554	0.101	0.108
par_11	0.38	-0.763	0.034	0.022
par_12	0	0	0	0
par_13	0	0	0	0
par_14	0	0	0	0
par_15	0	0	0	0
par_16	0	0	0	0
par_17	0	0	0	0
par_18	0	0	0	0
par_19	0	0	0	0
par_20	0	0	0	0
par_21	0	0	0	0
par_22	0	0	0	0
par_23	0	0	0	0
par_24	0	0	0	0
par_25	-0.404	0.763	-0.05	-0.002
par_26	-0.053	0.061	-0.079	-0.163
par_27	0.022	-0.017	0.014	0
par_28	-0.012	0	-0.002	0.001
par_29	0.023	0.022	-0.002	-0.028
par_30	0.064	0.013	0.017	-0.045
par_31	-0.002	0.003	-0.005	-0.004
par_32	0	0.001	-0.001	-0.003
par_33	-0.006	0.013	-0.02	-0.016
par_34	0.052	0.058	-0.026	-0.122
par_35	-0.075	-0.032	-0.001	0.18
par_36	-0.001	-0.049	0.038	0.011
par_37	0.001	-0.002	0.003	0.006
par_38	0.063	-0.015	0.051	0.062
par_39	0.043	-0.011	0.037	0.015

Critical Ratios for Differences between Parameters (Default mode

	par_1	par_2	par_3	par_4
par_1	0			
par_2	-1.436	0		
par_3	-0.572	1.483	0	
par_4	-0.607	1.444	-0.134	0

par_5	-0.296	1.651	0.956	0.954
par_6	1.812	2.845	4.361	3.96
par_7	0.714	2.235	3.132	2.899
par_8	1.396	2.036	1.544	1.547
par_9	0.929	2.089	1.329	1.34
par_10	0.677	1.517	1.132	1.165
par_11	1.688	1.763	1.755	1.767
par_12	1.284	2.54	7.224	6.131
par_13	2.895	3.435	13.27	11.174
par_14	3.566	3.809	15.434	13.072
par_15	2.778	3.37	12.697	10.731
par_16	4.633	4.4	19.766	16.6
par_17	4.651	4.412	19.395	16.406
par_18	4.923	4.559	21.385	17.804
par_19	3.493	3.77	14.661	12.551
par_20	4.01	4.059	16.276	13.977
par_21	3.82	3.95	16.304	13.82
par_22	4.358	4.249	18.347	15.518
par_23	3.369	3.701	14.41	12.29
par_24	3.775	3.924	16.473	13.873
par_25	-0.661	1.47	-0.318	-0.092
par_26	-0.754	1.412	-0.665	-0.379
par_27	-0.327	1.647	1.018	1
par_28	-0.163	1.738	1.624	1.507
par_29	0.093	1.88	2.494	2.231
par_30	-0.237	1.698	1.353	1.265
par_31	-0.083	1.782	1.907	1.745
par_32	0.18	1.926	2.776	2.493
par_33	-0.373	1.623	0.833	0.85
par_34	0.309	2.004	3.05	2.661
par_35	-0.122	1.752	1.627	1.647
par_36	-0.062	1.788	1.981	1.797
par_37	0.138	1.902	2.642	2.38
par_38	-0.14	1.749	1.714	1.589
par_39	-0.124	1.758	1.78	1.628

Model Fit Summary

CMIN

Model	NPAR	CMIN	DF	P
Default model	39	327.293	65	0
Saturated model	104	0	0	

	26	484.707	78	0
Independence model	26	484.707	78	0

Baseline Comparisons

Model	NFI Delta1	RFI rho1	IFI Delta2	TLI rho2
Default model	0.325	0.19	0.375	0.226
Saturated model	1		1	
Independence model	0	0	0	0

Parsimony-Adjusted Measures

Model	PRATIO	PNFI	PCFI
Default model	0.833	0.271	0.296
Saturated model	0	0	0
Independence model	1	0	0

NCP

Model	NCP	LO 90	HI 90
Default model	262.293	209.527	322.587
Saturated model	0	0	0
Independence model	406.707	340.963	479.95

FMIN

Model	FMIN	F0	LO 90	HI 90
Default model	3.059	2.451	1.958	3.015
Saturated model	0	0	0	0
Independence model	4.53	3.801	3.187	4.486

RMSEA

Model	RMSEA	LO 90	HI 90	PCLOSE
Default model	0.194	0.174	0.215	0
Independence model	0.221	0.202	0.24	0

AIC

Model	AIC	BCC	BIC	CAIC
Default model	405.293	417.035		

Saturated model	208	239.312
Independence model	536.707	544.535

ECVI

Model	ECVI	LO 90	HI 90	MECVI
Default model	3.788	3.295	4.351	3.898
Saturated model	1.944	1.944	1.944	2.237
Independence model	5.016	4.402	5.7	5.089

HOELTER

Model	HOELTER 0.05	HOELTER 0.01
Default model	28	31
Independence model	22	25

Execution time summary

Minimization:	0.019
Miscellaneous:	0.315
Bootstrap:	0
Total:	0.334

Intercepts	Total
3	38
0	0
13	39
16	77

kurtosis	c.r.
0.095	0.202

-1.25	-2.653
0.115	0.243
-0.521	-1.106
-1.03	-2.185
-1.345	-2.853
3.603	7.642
0.952	2.02
1.353	2.87
-0.24	-0.509
-1.288	-2.733
-0.087	-0.185
-1.215	-2.577
14.775	3.888

Group number 1)

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
1.001								
0.341	0.99							
0.092	0.119	0.229						
-0.055	0.171	0.118	0.62					

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
0.036	0.041	0.183	0.349	0.429				
0.25	0.255	0.06	0.097	0.032	0.417			
-0.104	-0.271	-0.068	-0.193	-0.118	-0.157	0.587		
0.059	-0.044	0.019	0.007	0.027	0.032	0.031	0.373	
0.052	0.072	-0.056	-0.1	-0.11	0.051	-0.012	-0.049	0.262

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
1								
0.342	1							
0.193	0.25	1						
-0.069	0.218	0.312	1					
0.055	0.064	0.584	0.676	1				
0.387	0.396	0.195	0.191	0.077	1			
-0.136	-0.355	-0.186	-0.321	-0.235	-0.318	1		
0.096	-0.072	0.066	0.014	0.068	0.082	0.066	1	
0.103	0.141	-0.23	-0.247	-0.329	0.154	-0.032	-0.156	1

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
3.407	3.028	4.046	3.861	3.843	2.5	3.074	2.583	1.417

C.R.	P	Label
0.413	0.679	par_09
1.731	0.084	par_10
2.635	0.008	par_11
0.422	0.673	par_12
0.725	0.468	par_1
-1.485	0.138	par_2
0.515	0.607	par_3
0.479	0.632	par_4
2.257	0.024	par_5
5.417	***	par_6
4.176	***	par_7

0.422	0.673	par_8

lel)

C.R.	P	Label
28.652	***	par_12
43.772	***	par_13
41.5	***	par_14
38.378	***	par_15
60.691	***	par_16
50.74	***	par_17
87.4	***	par_18
33.217	***	par_19
34.69	***	par_20
42.572	***	par_21
48.662	***	par_22
34.729	***	par_23
49.653	***	par_24

C.R.	P	Label
0.903	0.366	par_25
-1.699	0.089	par_26
7.282	***	par_27
7.31	***	par_28
7.239	***	par_29
6.699	***	par_30
7.313	***	par_31
7.314	***	par_32
7.279	***	par_33
6.684	***	par_34
4.14	***	par_35
6.518	***	par_36
7.229	***	par_37
6.329	***	par_38
7.081	***	par_39

model)

CORR	RELI	INTEG	RATE	EFF	PROD	RELE	COM	ACCESS	TIME

0.451									
0.139	0.764								
0.026	0.07	0.601							
0.112	0.303	0.057	0.627						
0.208	0.562	0.105	0.341	1.032					
0.11	0.297	0.055	0.18	0.335	0.889				
0.023	0.062	0.012	0.05	0.092	0.049	0.229			
0.002	0.007	0.001	0.005	0.01	0.005	0.001	0.62		
0.006	0.015	0.003	0.012	0.022	0.012	0.002	0	0.429	
0.084	0.227	0.042	0.182	0.338	0.179	0.037	0.004	0.009	0.454
-0.04	-0.109	-0.02	-0.088	-0.163	-0.086	-0.018	-0.002	-0.004	-0.066
0.01	0.028	0.005	0.023	0.042	0.022	0.005	0	0.001	0.017
0.021	0.058	0.011	0.046	0.086	0.046	0.009	0.001	0.002	0.035

model)

CORR	RELI	INTEG	RATE	EFF	PROD	RELE	COM	ACCESS	TIME
1									
0.238	1								
0.05	0.104	1							
0.211	0.437	0.092	1						
0.305	0.633	0.133	0.424	1					
0.174	0.361	0.076	0.242	0.35	1				
0.071	0.148	0.031	0.131	0.19	0.108	1			
0.005	0.01	0.002	0.009	0.012	0.007	0.003	1		
0.013	0.026	0.006	0.023	0.034	0.019	0.008	0.001	1	
0.186	0.385	0.081	0.342	0.494	0.282	0.115	0.008	0.021	1
-0.079	-0.163	-0.034	-0.145	-0.209	-0.119	-0.049	-0.003	-0.009	-0.127
0.025	0.053	0.011	0.047	0.068	0.039	0.016	0.001	0.003	0.041
0.062	0.129	0.027	0.115	0.166	0.094	0.039	0.003	0.007	0.101

l)

CORR	RELI	INTEG	RATE	EFF	PROD	RELE	COM	ACCESS	TIME
3.222	2.935	3.648	3.259	3.407	3.028	4.046	3.861	3.843	2.5

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
1.032								
0.335	0.889							
0.092	0.049	0.229						
0.01	0.005	0.001	0.62					
0.022	0.012	0.002	0	0.429				
0.338	0.179	0.037	0.004	0.009	0.454			
-0.163	-0.086	-0.018	-0.002	-0.004	-0.066	0.587		
0.042	0.022	0.005	0	0.001	0.017	-0.008	0.373	
0.086	0.046	0.009	0.001	0.002	0.035	-0.017	0.004	0.262

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
1								
0.35	1							
0.19	0.108	1						
0.012	0.007	0.003	1					
0.034	0.019	0.008	0.001	1				
0.494	0.282	0.115	0.008	0.021	1			
-0.209	-0.119	-0.049	-0.003	-0.009	-0.127	1		
0.068	0.039	0.016	0.001	0.003	0.041	-0.017	1	
0.166	0.094	0.039	0.003	0.007	0.101	-0.043	0.014	1

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
3.407	3.028	4.046	3.861	3.843	2.5	3.074	2.583	1.417

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
-0.032								
0.006	0.101							
0	0.07	0						
-0.064	0.165	0.116	0					
0.014	0.03	0.181	0.348	0				
-0.088	0.076	0.023	0.093	0.023	-0.037			
0.059	-0.184	-0.05	-0.191	-0.114	-0.092	0		
0.017	-0.066	0.015	0.006	0.026	0.015	0.039	0	
-0.034	0.026	-0.066	-0.101	-0.113	0.016	0.004	-0.053	0

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
0	0	0	0	0	0	0	0	0

del)

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
-0.224								
0.058	0.831							
-0.001	1.601	0						
-0.833	2.304	3.196	0					
0.216	0.495	5.961	6.988	0				
-1.197	1.187	0.731	1.818	0.547	-0.602			
0.765	-2.621	-1.416	-3.284	-2.342	-1.821	0		
0.276	-1.189	0.519	0.139	0.67	0.388	0.863	0	
-0.66	0.56	-2.777	-2.584	-3.479	0.483	0.116	-1.753	0

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN
0	0	0	0	0	0	0	0	0

EFF	PROD	RELE	COM	ACCESS	TIME	AGE	EDU	GEN

0.058	0.017	0.003	0	0	0.008	-0.002	0.001	0.003
0.071	0.021	0.004	0	0	0.01	-0.003	0.001	0.003
0.229	0.068	0.012	0	0.002	0.031	-0.009	0.003	0.01
0.102	0.03	0.06	0.002	0.007	0.152	-0.042	0.016	0.049

Diameter	F	NTries	Ratio
9999	507.012	0	9999
1.041	447.123	21	0.581
1.267	386.874	5	0.702
1.144	356.124	5	0.835
0.497	348.466	5	0
0.512	338.134	2	0
0.766	330.93	1	1.147
0.388	329.371	2	0
0.612	328.064	1	1.269
0.609	327.586	1	1.134
0.403	327.37	1	1.19
0.318	327.323	1	0.842
0.08	327.295	1	1.067
0.092	327.293	1	1.002
0.009	327.293	1	1.012
0.001	327.293	1	1.001
0	327.293	1	1

par_5	par_6	par_7	par_8	par_9	par_10	par_11	par_12	par_13	par_14

par_5	par_6	par_7	par_8	par_9	par_10	par_11	par_12	par_13	par_14
0.018									
0.005	0.143								
0.002	0.057	0.058							
-0.067	0.76	0.388	11.582						
-0.029	0.256	0.132	4.324	1.991					
0.019	-0.15	-0.089	-2.595	-1.018	1.042				
-0.006	-0.05	-0.056	0.113	-0.022	1.388	4.844			
0	0	0	0	0	0	0	0.002		
0	0	0	0	0	0	0	0	0.003	
0	0	0	0	0	0	0	0	0	0.005
0	0	0	0	0	0	0	0	0	-0.001
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	-0.001
0	0	0	0	0	0	0	0.001	0	-0.002
0	0	0	0	0	0	0	0	0	-0.001
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0.001	0	-0.001
0	0	0	0	0	0	0	0	0	0
0	0	0	0.001	0.001	-0.007	-0.021	0	0	0
0	0.006	0.003	0.075	0.031	-0.017	-0.009	0	0	0
0	0	0	-0.001	-0.001	0.001	0.002	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0.002	0.001	0.006	0.001	-0.001	0.001	0	0	0
0	0.003	0.001	0.001	-0.003	0.001	0.005	0	0	0
0	0	0	0.001	0	0	0	0	0	0
0	0	0	0.001	0	0	0	0	0	0
0	0	0	0.003	0.001	-0.001	-0.001	0	0	0
0	0.012	0.006	0.082	0.029	-0.017	-0.006	0	0	0
0	-0.012	-0.005	-0.077	-0.026	0.011	-0.006	0	0	0
0	-0.001	-0.002	-0.015	-0.006	0.006	0.008	0	0	0
0	-0.002	-0.001	-0.038	-0.014	0.009	-0.002	0	0	0
0	0	0.001	-0.032	-0.014	0.007	0.004	0	0	0
0	0.001	0.001	-0.012	-0.007	0.004	0.004	0	0	0

1												
0.106	1											
0.052	0.629	1										
-0.147	0.59	0.475	1									
-0.154	0.479	0.391	0.9	1								
0.141	-0.388	-0.363	-0.747	-0.707	1							
-0.022	-0.06	-0.106	0.015	-0.007	0.618	1						
0	0	0	0	0	0	0	1					
0	0	0	0	0	0	0	0.014	1				
0	0	0	0	0	0	0	-0.043	-0.017	1			
0	0	0	0	0	0	0	0.101	0.041	-0.127			
0	0	0	0	0	0	0	0.007	0.003	-0.009			
0	0	0	0	0	0	0	0.003	0.001	-0.003			
0	0	0	0	0	0	0	0.039	0.016	-0.049			
0	0	0	0	0	0	0	0.094	0.039	-0.119			
0	0	0	0	0	0	0	0.166	0.068	-0.209			
0	0	0	0	0	0	0	0.115	0.047	-0.145			
0	0	0	0	0	0	0	0.027	0.011	-0.034			
0	0	0	0	0	0	0	0.129	0.053	-0.163			
0	0	0	0	0	0	0	0.062	0.025	-0.079			
-0.052	-0.089	-0.005	0.032	0.059	-0.672	-0.956	0	0	0			
-0.031	0.476	0.401	0.648	0.64	-0.5	-0.125	0	0	0			
0.015	0.025	0.001	-0.009	-0.017	0.027	0.027	0	0	0			
-0.003	-0.01	-0.009	0	0.002	-0.002	-0.003	0	0	0			
0.008	0.08	0.052	0.024	0.011	-0.007	0.004	0	0	0			
0.017	0.154	0.08	0.009	-0.038	0.031	0.051	0	0	0			
-0.004	0.002	0.003	0.005	0.005	-0.005	-0.002	0	0	0			
0	0.004	0.002	0.003	0.003	-0.002	-0.001	0	0	0			
-0.026	0.021	0.025	0.031	0.031	-0.029	-0.013	0	0	0			
-0.01	0.297	0.216	0.227	0.192	-0.153	-0.027	0	0	0			
-0.015	-0.323	-0.202	-0.235	-0.195	0.107	-0.03	0	0	0			
0.039	-0.026	-0.128	-0.065	-0.061	0.085	0.054	0	0	0			
0.017	-0.073	-0.064	-0.136	-0.124	0.103	-0.009	0	0	0			
0.05	-0.015	0.06	-0.152	-0.161	0.111	0.031	0	0	0			
0.038	0.06	0.052	-0.06	-0.094	0.069	0.031	0	0	0			

l)

par_5	par_6	par_7	par_8	par_9	par_10	par_11	par_12	par_13	par_14

0									
4.177	0								
2.78	-2.969	0							
1.484	1.085	1.316	0						
1.189	0.071	0.721	-1.52	0					
0.936	-0.552	0.177	-0.98	-0.339	0				
1.657	0.904	1.3	-0.354	0.743	1.537	0			
8.016	-1.246	1.623	-1.157	-0.401	0.193	-1.142	0		
15.794	1.807	6.334	-0.815	0.426	1.334	-0.612	15.257	0	
18.311	3.069	8.187	-0.67	0.773	1.812	-0.389	18.254	5.138	0
14.961	1.585	5.959	-0.839	0.367	1.252	-0.65	13.941	-0.968	-5.483
24.108	5.089	11.384	-0.445	1.317	2.565	-0.04	30.3	14.569	7.853
23.305	5.106	11.296	-0.439	1.33	2.581	-0.032	26.968	13.275	7.399
26.642	5.656	12.395	-0.385	1.462	2.766	0.053	39.594	19.655	10.893
17.012	2.921	7.83	-0.684	0.739	1.765	-0.41	16.19	4.167	-0.373
18.88	3.88	9.216	-0.572	1.008	2.134	-0.237	19.443	7.417	2.472
19.367	3.545	8.899	-0.616	0.904	1.993	-0.305	21.364	7.156	1.625
22.001	4.557	10.464	-0.502	1.179	2.373	-0.128	25.164	11.221	5.356
16.818	2.693	7.536	-0.711	0.674	1.675	-0.452	16.462	3.501	-1.147
19.827	3.468	8.868	-0.627	0.878	1.958	-0.322	22.826	7.378	1.449
-1.959	-4.966	-4.209	-1.571	-1.399	-1.178	-1.774	-27.932	-43.035	-41.024
-2.374	-5.366	-4.714	-1.601	-1.468	-1.229	-1.808	-24.617	-38.834	-38.465
-0.145	-4.326	-3.164	-1.499	-1.225	-0.947	-1.671	-19.267	-34.04	-34.49
0.683	-3.982	-2.642	-1.465	-1.141	-0.83	-1.617	-14.772	-28.441	-30.119
1.838	-3.519	-1.871	-1.411	-1.01	-0.648	-1.533	-9.436	-20.951	-23.617
0.317	-4.212	-2.915	-1.481	-1.178	-0.883	-1.643	-16.048	-29.934	-31.346
1.063	-3.825	-2.395	-1.448	-1.101	-0.773	-1.591	-12.895	-25.918	-28.018
2.188	-3.286	-1.573	-1.392	-0.964	-0.585	-1.503	-8.129	-19.024	-21.815
-0.388	-4.416	-3.32	-1.51	-1.25	-0.978	-1.686	-20.685	-35.683	-35.704
2.555	-3.267	-1.278	-1.374	-0.911	-0.486	-1.459	-6	-15.367	-18.206
0.76	-3.56	-2.248	-1.446	-1.105	-0.808	-1.601	-9.395	-19.329	-22.008
1.154	-3.753	-2.237	-1.441	-1.086	-0.762	-1.586	-11.575	-23.764	-26.16
2.029	-3.321	-1.67	-1.396	-0.979	-0.621	-1.517	-8.7	-19.847	-22.59
0.794	-3.917	-2.59	-1.456	-1.121	-0.819	-1.611	-13.079	-25.823	-27.957
0.881	-3.939	-2.547	-1.455	-1.117	-0.805	-1.605	-13.575	-26.77	-28.743

CMIN/DF
5.0

6.214	

CFI
0.355
1
0

AGE	EDU	GEN

0.587		
-0.008	0.373	
-0.017	0.004	0.262

AGE	EDU	GEN
1		
-0.017	1	
-0.043	0.014	1

AGE	EDU	GEN
3.074	2.583	1.417

| par_15 | par_16 | par_17 | par_18 | par_19 | par_20 | par_21 | par_22 | par_23 | par_24 |

par_15	par_16	par_17	par_18	par_19	par_20	par_21	par_22	par_23	par_24
0.004									
0	0.004								
0	0	0.006							
0	0	0	0.002						
0.002	0	0	0	0.008					
0.003	0	0	0.001	0.003	0.01				
0.002	0	0	0	0.002	0.003	0.006			
0	0	0	0	0.001	0.001	0.001	0.006		
0.002	0	0	0.001	0.003	0.005	0.003	0.001	0.007	
0.001	0	0	0	0.001	0.002	0.001	0	0.001	0.004
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

1									
0.021	1								
0.008	0.001	1							
0.115	0.008	0.003	1						
0.282	0.019	0.007	0.108	1					
0.494	0.034	0.012	0.19	0.35	1				
0.342	0.023	0.009	0.131	0.242	0.424	1			
0.081	0.006	0.002	0.031	0.076	0.133	0.092	1		
0.385	0.026	0.01	0.148	0.361	0.633	0.437	0.104	1	
0.186	0.013	0.005	0.071	0.174	0.305	0.211	0.05	0.238	1
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0

par_15	par_16	par_17	par_18	par_19	par_20	par_21	par_22	par_23	par_24

0									
14.934	0								
13.639	0.187	0							
20.498	2.607	2.082	0						
5.5	-7.409	-7.043	-10.428	0					
10.432	-3.782	-3.674	-6.368	3.51	0				
9.278	-5.94	-5.6	-9.357	2.228	-1.55	0			
12.054	-1.987	-1.996	-4.583	5.464	2.087	3.809	0		
5.148	-8.703	-8.181	-12.323	-0.931	-5.958	-3.782	-6.663	0	
8.704	-6.886	-6.403	-10.704	1.901	-1.855	-0.415	-4.406	3.069	0
-37.818	-59.841	-50.21	-85.324	-32.931	-34.429	-42.114	-48.136	-34.394	-48.963
-34.852	-54.347	-47.066	-71.608	-31.738	-33.357	-39.635	-45.065	-32.879	-44.828
-30.446	-49.718	-43.143	-65.562	-28.452	-30.282	-35.766	-41.1	-29.359	-40.349
-25.798	-42.807	-38.174	-53.54	-25.477	-27.474	-31.459	-36.216	-26.022	-34.629
-19.321	-33.046	-30.591	-38.957	-20.751	-22.882	-24.946	-28.831	-20.848	-26.539
-27.092	-44.571	-39.527	-56.279	-26.381	-28.332	-32.671	-37.552	-27.014	-36.146
-23.649	-39.586	-35.749	-48.462	-23.992	-26.05	-29.369	-33.845	-24.379	-31.961
-17.6	-30.48	-28.47	-35.502	-19.355	-21.495	-23.121	-26.776	-19.354	-24.393
-31.782	-51.682	-44.502	-69.298	-29.258	-31.033	-36.953	-42.443	-30.272	-41.977
-14.32	-25.264	-24.056	-28.708	-16.518	-18.602	-19.418	-22.541	-16.35	-20.125
-18.061	-29.863	-28.194	-34.113	-19.817	-21.862	-23.238	-26.61	-19.785	-24.299
-21.838	-36.581	-33.487	-43.79	-22.724	-24.809	-27.497	-31.66	-22.969	-29.56
-18.341	-31.564	-29.377	-36.937	-19.965	-22.102	-23.907	-27.655	-20.004	-25.307
-23.631	-39.23	-35.566	-47.668	-24.046	-26.092	-29.296	-33.688	-24.413	-31.774
-24.393	-40.629	-36.564	-50.013	-24.531	-26.567	-30.089	-34.645	-24.968	-32.85

par_25	par_26	par_27	par_28	par_29	par_30	par_31	par_32	par_33	par_34	par_35

	par_25	par_26	par_27	par_28	par_29	par_30	par_31	par_32	par_33	par_34	par_35
	0										
	0	0.001									
	0	0	0.001								
	0	0	0	0.003							
	0	0	0	0	0.006						
	0	0	0	0	0	0.002					
	0	0	0	0	0	0	0.003				
	0	0	0	0	0	0	0	0.007			
	0	0	0	0	0	0	0	0	0.001		
	0	0.001	0	0	0	0	0	0	0	0.011	
	0	-0.002	0	0	0	0	0	0	0	-0.002	0.009
	0	-0.001	0	0	0	0	0	0	0	0	0.001
	0	0	0	0	0	0	0	0	0	0	0
	0	-0.001	0	0	0	0	0	0	0	0	0.001
	0	0	0	0	0	0	0	0	0	0	0

1										
0.052	1									
-0.032	-0.015	1								
0.004	0.004	-0.001	1							
-0.017	0.011	0.005	-0.002	1						
-0.063	-0.107	0.018	-0.005	0.036	1					
0.003	0.005	-0.001	0	0	-0.001	1				
0	0.004	0	0	0.001	0.001	0	1			
0.011	0.038	-0.003	0	0.002	-0.001	0.001	0	1		
-0.023	0.218	0.007	-0.005	0.043	0.056	0.002	0.003	0.022	1	
0.09	-0.576	-0.025	0.005	-0.059	-0.103	-0.001	-0.004	-0.017	-0.163	1
-0.048	-0.232	0.014	0.002	-0.005	0.02	-0.002	0	-0.015	-0.023	0.191
-0.002	-0.081	0	0	0	0.004	0	0	-0.002	-0.022	0.017
-0.03	-0.269	0.008	-0.006	0.005	0.044	-0.003	-0.001	-0.017	-0.046	0.128
-0.045	-0.121	0.013	-0.003	0.015	0.066	-0.002	0	-0.007	0.007	-0.001

par_25	par_26	par_27	par_28	par_29	par_30	par_31	par_32	par_33	par_34	par_35

0										
-1.91	0									
6.708	6.357	0								
7.012	7.039	1.917	0							
7.051	7.339	3.601	2.008	0						
6.3	6.139	1.112	-0.763	-2.682	0					
7.067	7.2	2.578	0.746	-1.317	1.47	0				
7.162	7.432	4.007	2.522	0.561	3.113	1.856	0			
6.665	6.232	-0.729	-2.568	-4.082	-1.75	-3.177	-4.454	0		
6.56	7.364	4.107	2.888	1.218	3.456	2.336	0.681	4.478	0	
4.064	3.833	1.416	0.261	-1.235	0.73	-0.26	-1.715	1.772	-2.022	0
6.28	6.057	2.51	0.858	-1.09	1.532	0.167	-1.622	2.996	-2.104	0.415
7.068	7.127	3.793	2.27	0.294	2.88	1.595	-0.266	4.251	-0.913	1.513
6.079	5.741	1.921	0.212	-1.715	0.924	-0.482	-2.219	2.45	-2.591	-0.107
6.771	6.604	2.223	0.374	-1.654	1.145	-0.36	-2.167	2.806	-2.605	0

par_36	par_37	par_38	par_39

0.005			
0	0.007		
0	0	0.004	
0	0	0	0.003

par_36	par_37	par_38	par_39

1			
0.009	1		
-0.036	0.01	1	
-0.001	0.005	0.07	1

par_36	par_37	par_38	par_39

$$\begin{matrix} 0 & & & \\ 1.373 & 0 & & \\ -0.6 & -1.982 & 0 & \\ -0.501 & -1.917 & 0.144 & 0 \end{matrix}$$