



version 3.4.0 — Sun Dec 29 19:09:12 2024

Option settings:

nominal	ID ,0,0,ID
nominal	APOE ,2,1,AP
nominal	Gender ,2,0,SX
nominal	Education ,3,1,ED
nominal	AgeLastExam ,3,0,AG
nominal	rs1801133 ,3,0,A
nominal	rs3818361 ,4,0,B
nominal	rs7561528 ,3,1,C
nominal	rs744373 ,3,0,D
nominal	rs6943822 ,3,0,E
nominal	rs4298437 ,3,0,F
nominal	rs7012010 ,3,0,G
nominal	rs11136000 ,3,0,H
nominal	rs10786998 ,4,0,J
nominal	rs11193130 ,4,0,K
nominal	rs610932 ,3,0,L
nominal	rs3851179 ,3,0,M
nominal	rs3764650 ,4,0,N
nominal	rs3865444 ,4,0,P
nominal	CaseControl ,2,2,Z
no-frequency	Y
ipf-maxdev	0.2
ipf-maxit	266
Alpha threshold	0.05

Data Lines Read 424
Input data file dementia05ApEdC.txt
Starting model bottom
Search direction up
Ref model bottom
Models to consider loopless
Search width 3
Search levels 7
Search sort by bic
Search preference descending
Report sort by information
Report preference descending

State Space Size 36
Sample Size 424
H(data) 4.38204
H(IV) 3.53866
H(DV) 0.9987
T(IV:DV) 0.155323
IVs in use (3) Ap Ed C
DV Z

Searching levels:

1 : 3 new models, 3 kept; 4 total models, 4 total kept; 0 kb memory used; 0.0 seconds, 0.0 total
2 : 3 new models, 3 kept; 7 total models, 7 total kept; 0 kb memory used; 0.0 seconds, 0.0 total
3 : 1 new models, 1 kept; 8 total models, 8 total kept; 0 kb memory used; 0.0 seconds, 0.0 total
4 : 0 new models, 0 kept; 8 total models, 8 total kept; 0 kb memory used; 0.0 seconds, 0.0 total

ID	MODEL	Level	H	dDF	dLR	Alpha	Inf	%dH(DV)	dAIC	dBIC	Inc.Alpha	Prog.	%C(Data)	%cover
8*	ApEdCZ	3	4.3820	17	91.2970	0.0000	1.00000000	15.5525	57.2970	-11.5485	0.0000	4	70.0472	100.0000

7*	IV:ApEdZ	2	4.4201	5	68.9328	0.0000	0.75503863	11.7427	58.9328	38.6841	0.0000	2	69.5755	100.0000
6*	IV:ApCZ	2	4.4232	5	67.0996	0.0000	0.73495981	11.4305	57.0996	36.8510	0.0000	3	67.9245	100.0000
5*	IV:ApZ	1	4.4503	1	51.1652	0.0000	0.56042595	8.7160	49.1652	45.1155	0.0000	1	66.9811	100.0000
4*	IV:EdCZ	2	4.4844	8	31.1322	0.0001	0.34099921	5.3034	15.1322	-17.2657	0.0138	2	59.6698	100.0000
3*	IV:CZ	1	4.5105	2	15.7735	0.0004	0.17277128	2.6870	11.7735	3.6740	0.0004	1	58.0189	100.0000
2*	IV:EdZ	1	4.5116	2	15.1356	0.0005	0.16578417	2.5784	11.1356	3.0361	0.0005	1	56.3679	100.0000
1*	IV:Z	0	4.5374	0	0.0000	1.0000	0.00000000	0.0000	0.0000	0.0000	0.0000	0	52.1226	100.0000

ID	MODEL	Level	H	dDF	dLR	Alpha	Inf	%dH(DV)	dAIC	dBIC	Inc.Alpha	Prog.	%C(Data)	%cover
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Best Model(s) by dBIC:

5*	IV:ApZ	1	4.4503	1	51.1652	0.0000	0.56042595	8.7160	49.1652	45.1155	0.0000	1	66.9811	100.0000
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Best Model(s) by dAIC:

7*	IV:ApEdZ	2	4.4201	5	68.9328	0.0000	0.75503863	11.7427	58.9328	38.6841	0.0000	2	69.5755	100.0000
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Best Model(s) by Information, with all Inc. Alpha < 0.05:

8*	ApEdCZ	3	4.3820	17	91.2970	0.0000	1.00000000	15.5525	57.2970	-11.5485	0.0000	4	70.0472	100.0000
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Run time: 0.014508 seconds

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OCCAM is now OPEN SOURCE. The code is available as [a project on GitHub](#). If you are interested in (a) becoming a member of the development team, (b) collaborating on research using the OCCAM software, and/or (c) being on the OCCAM mailing list, please email Dr. Zwick.