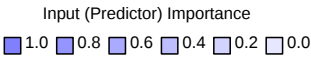


Clusters



Cluster	1	2
Label		
Description		
Size	52.8% (253)	47.2% (226)
Inputs	O7 No (96.4%) O5 No (94.5%) S13 No (97.2%) O9 No (94.5%) O2 No (96.4%) S15 No (96.4%) O8 No (92.9%) S16 No (97.6%) O6 No (91.7%) S3 No (93.7%) S5 No (97.2%) S17 No (94.5%) S14 No (99.2%) S18 No (97.2%)	O7 Yes (66.8%) O5 Yes (68.6%) S13 Yes (60.2%) O9 Yes (64.2%) O2 Yes (58.8%) S15 Yes (58.4%) O8 Yes (62.8%) S16 Yes (53.5%) O6 Yes (61.5%) S3 Yes (58.4%) S5 Yes (50.4%) S17 Yes (54.9%) S14 No (55.8%) S18 No (53.1%)

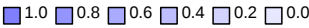
Continuation

S2 No (94.5%)	S2 No (54.0%)
S11 No (98.8%)	S11 No (62.8%)
O4 No (97.6%)	O4 No (60.6%)
S1 No (96.0%)	S1 No (57.5%)
S4 No (96.8%)	S4 No (60.6%)
O3 No (99.2%)	O3 No (68.6%)
S8 No (93.3%)	S8 No (60.2%)
O1 No (92.1%)	O1 No (61.9%)
S6 No (100.0%)	S6 No (80.5%)
S9 No (99.6%)	S9 No (80.5%)
S10 No (96.0%)	S10 No (75.7%)
S12 No (100.0%)	S12 No (85.0%)
S7 No (100.0%)	S7 No (90.7%)

Supplementary Figure S1. Two-step cluster analysis (all participants). S – superstitious statement, O – omen

Clusters

Input (Predictor) Importance



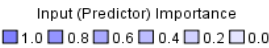
Cluster	1	2
Label		
Description		
Size	59.4% (92)	40.6% (63)
Inputs	O7 No (85.9%)	O7 Yes (88.9%)
	O2 No (88.0%)	O2 Yes (79.4%)
	O5 No (82.6%)	O5 Yes (85.7%)
	S18 No (95.7%)	S18 Yes (66.7%)
	S17 No (92.4%)	S17 Yes (66.7%)
	O9 No (87.0%)	O9 Yes (74.6%)
	S13 No (87.0%)	S13 Yes (74.6%)
	O4 No (90.2%)	O4 Yes (68.3%)
	S15 No (85.9%)	S15 Yes (71.4%)
	S5 No (88.0%)	S5 Yes (68.3%)
	O6 No (80.4%)	O6 Yes (77.8%)
	S2 No (95.7%)	S2 Yes (54.0%)
	S14 No (91.3%)	S14 Yes (58.7%)
	O8 No (81.5%)	O8 Yes (71.4%)

Continuation

	S4 No (90.2%)	S4 Yes (57.1%)
	S6 No (100.0%)	S6 No (63.5%)
	S1 No (88.0%)	S1 Yes (58.7%)
	S11 No (94.6%)	S11 No (52.4%)
	O3 No (93.5%)	O3 No (50.8%)
	S16 No (88.0%)	S16 Yes (55.6%)
	S3 No (83.7%)	S3 Yes (58.7%)
	S10 No (97.8%)	S10 No (69.8%)
	S12 No (98.9%)	S12 No (73.0%)
	S9 No (97.8%)	S9 No (73.0%)
	S8 No (88.0%)	S8 No (57.1%)
	O1 No (85.9%)	O1 No (55.6%)
	S7 No (100.0%)	S7 No (84.1%)

Supplementary Figure S2. Two-step cluster analysis (patients with epilepsy). S – superstitious statement, O – omen.

Clusters



Cluster	1	2	3
Label			
Description			
Size	52.1% (50)	29.2% (28)	18.8% (18)
Inputs	O9 No (100.0%)	O9 No (78.6%)	O9 Yes (88.9%)
	O8 No (100.0%)	O8 No (64.3%)	O8 Yes (83.3%)
	S14 No (100.0%)	S14 No (100.0%)	S14 Yes (55.6%)
	O6 No (98.0%)	O6 No (89.3%)	O6 Yes (72.2%)
	O5 No (100.0%)	O5 No (60.7%)	O5 Yes (77.8%)
	S3 No (100.0%)	S3 No (64.3%)	S3 Yes (72.2%)
	S5 No (98.0%)	S5 No (92.9%)	S5 Yes (61.1%)
	S2 No (100.0%)	S2 No (57.1%)	S2 Yes (66.7%)
	O2 No (100.0%)	O2 No (67.9%)	O2 Yes (66.7%)
	S16 No (98.0%)	S16 No (89.3%)	S16 Yes (61.1%)
	S15 No (100.0%)	S15 No (85.7%)	S15 Yes (55.6%)
	S13 No (100.0%)	S13 No (75.0%)	S13 Yes (55.6%)
	O4 No (100.0%)	O4 No (92.9%)	O4 No (55.6%)
	O3 No (100.0%)	O3 No (100.0%)	O3 No (66.7%)
	O1 No (100.0%)	O1 No (78.6%)	O1 No (50.0%)

Continuation

O7 No (100.0%)	O7 No (82.1%)	O7 No (55.6%)
S4 No (100.0%)	S4 No (85.7%)	S4 No (61.1%)
S10 No (100.0%)	S10 No (100.0%)	S10 No (77.8%)
S6 No (100.0%)	S6 No (100.0%)	S6 No (77.8%)
S1 No (100.0%)	S1 No (96.4%)	S1 No (72.2%)
S17 No (100.0%)	S17 No (71.4%)	S17 No (72.2%)
S8 No (100.0%)	S8 No (78.6%)	S8 No (72.2%)
S11 No (100.0%)	S11 No (96.4%)	S11 No (77.8%)
S18 No (100.0%)	S18 No (85.7%)	S18 No (88.9%)
S12 No (100.0%)	S12 No (100.0%)	S12 No (94.4%)
S7 No (100.0%)	S7 No (100.0%)	S7 No (94.4%)
S9 No (100.0%)	S9 No (100.0%)	S9 No (94.4%)

Supplementary Figure S3. Two-step cluster analysis (Parkinson’s disease). S – superstitious statement, O – omen.

Clusters

Input (Predictor) Importance

1.0 0.8 0.6 0.4 0.2 0.0

Cluster	2	1
Label		
Description		
Size	52.5% (63)	47.5% (57)
Inputs	S16 No (96.8%) O7 No (96.8%) O9 No (93.7%) S3 No (95.2%) O8 No (96.8%) S15 No (93.7%) O6 No (95.2%) O5 No (96.8%) S13 No (98.4%) O2 No (100.0%) S14 No (98.4%) S5 No (98.4%) S17 No (93.7%) S18 No (98.4%)	S16 Yes (71.9%) O7 Yes (70.2%) O9 Yes (71.9%) S3 Yes (68.4%) O8 Yes (64.9%) S15 Yes (66.7%) O6 Yes (63.2%) O5 Yes (57.9%) S13 Yes (54.4%) O2 Yes (50.9%) S14 Yes (50.9%) S5 Yes (50.9%) S17 Yes (57.9%) S18 No (50.9%)

Continuation

S11 No (98.4%)	S11 No (54.4%)
S8 No (96.8%)	S8 No (56.1%)
O4 No (100.0%)	O4 No (64.9%)
S4 No (98.4%)	S4 No (61.4%)
O3 No (100.0%)	O3 No (68.4%)
S1 No (93.7%)	S1 No (56.1%)
S2 No (92.1%)	S2 No (56.1%)
S10 No (100.0%)	S10 No (75.4%)
S6 No (100.0%)	S6 No (80.7%)
O1 No (96.8%)	O1 No (73.7%)
S12 No (100.0%)	S12 No (82.5%)
S9 No (100.0%)	S9 No (84.2%)
S7 No (100.0%)	S7 No (94.7%)

Supplementary Figure S4. Two-step cluster analysis (patients with multiple sclerosis). S – superstitious statement, O – omen.

Clusters

Input (Predictor) Importance



Cluster	2	1
Label		
Description		
Size	51.9% (56)	48.1% (52)
Inputs	O5 No (94.6%)	O5 Yes (69.2%)
	O7 No (96.4%)	O7 Yes (65.4%)
	S13 No (94.6%)	S13 Yes (61.5%)
	O6 No (92.9%)	O6 Yes (63.5%)
	S15 No (98.2%)	S15 Yes (50.0%)
	S2 No (98.2%)	S2 No (51.9%)
	O9 No (92.9%)	O9 Yes (55.8%)
	S18 No (92.9%)	S18 Yes (53.8%)
	S17 No (87.5%)	S17 Yes (61.5%)
	O2 No (92.9%)	O2 Yes (51.9%)
	S3 No (92.9%)	S3 Yes (51.9%)
	S16 No (98.2%)	S16 No (57.7%)
	S4 No (100.0%)	S4 No (65.4%)
	O8 No (89.3%)	O8 Yes (53.8%)

Continuation

	S1 No (96.4%)	S1 No (59.6%)
	S5 No (96.4%)	S5 No (59.6%)
	S11 No (98.2%)	S11 No (63.5%)
	S14 No (98.2%)	S14 No (69.2%)
	O4 No (100.0%)	O4 No (75.0%)
	S9 No (98.2%)	S9 No (71.2%)
	S8 No (87.5%)	S8 No (53.8%)
	O3 No (100.0%)	O3 No (76.9%)
	O1 No (82.1%)	O1 No (55.8%)
	S7 No (100.0%)	S7 No (86.5%)
	S6 No (100.0%)	S6 No (88.5%)
	S12 No (100.0%)	S12 No (90.4%)
	S10 No (83.9%)	S10 No (67.3%)

Supplementary Figure S5. Two-step cluster analysis (healthy controls). S – superstitious statement, O – omen.