

Appendix E

Latent Profile Methods

Latent profile analysis was used to create groupings of those who deidentified from the Church. Analyses were conducted in LatentGold 6.1 with full information maximum likelihood used to handle missing data. There was substantial improvement in model fit from 1–4 classes and then smaller improvements thereafter (table 1a). The bootstrap difference test for k-1 classes was significant in every instance. Entropy was excellent throughout, ranging

from .96 to .99, and therefore did not meaningfully distinguish classes. Substantively different classes emerged from within each additional class up to the fourth class. Adding a fifth and sixth class appeared to only add classes that were slight variants on already identified classes. We therefore determined the four-class solution to be the simplest without losing meaningful information.

Table E1. Latent Profile Fit Indices (n=527, Spiritual Seismology Survey)

Classes	Log-Likelihood	Number of Parameters	BIC	SABIC	AIC	Entropy	k-1 Bootstrap Difference Test
1	-9318.98	29	18819.70	18727.65	18695.95	—	—
2	-8258.12	53	16848.39	16680.16	16622.23	0.9586	p < .001
3	-7549.12	77	15580.80	15336.39	15252.23	0.9791	p < .001
4	-7254.03	101	15141.05	14820.45	14710.06	0.9843	p < .001
5	-7059.99	125	14903.38	14506.59	14369.98	0.9855	p < .001
6	-6833.71	149	14601.23	14128.26	13965.41	0.9934	p < .001