**Appendix 1**. Fit indices of the LCA models with increasing levels of classes.

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| #classes | df | AIC | BIC | LMR | BLRT | smallest n | smallest% |
| 1 | 34 | 91653.7 | 91856.3 | \*\*\* | \*\*\* | \*\*\* | \*\*\* |
| 2 | 69 | 86683.9 | 87095.3 | <0.001 | <0.001 | 1373 | 47.8 |
| 3 | 104 | 85050.3 | 85670.3 | <0.002 | <0.001 | 685 | 23.9 |
| 4 | 139 | 84146.9 | 84975.6 | <0.003 | <0.001 | 466 | 16.2 |
| 5 | 174 | 83693.1 | 84730.5 | 0.02 | <0.001 | 270 | 9.4 |
| 6 | 209 | 83360.0 | 84606.1 | 0.13 | <0.001 | 252 | 8.8 |
| **7** | **244** | **83063.8** | **84518.6** | **0.004** | **<0.001** | **186** | **6.5** |
| 8 | 279 | 82916.6 | 84580.0 | 0.26 | <0.001 | 179 | 6.2 |
| 9 | 314 | 82774.8 | 84646.9 | 0.63 | <0.001 | 176 | 6.1 |
| Df=degrees of freedom, AIC=Akaike Information Criterion, BIC=Bayesian Information Criterion, BLRT=Bootstrapped Likelihood Ratio Test. |

*NB The model with 7 classes provided the best solution based on the lowest BIC. Therefore, this model was chosen.*