

Outline of Files Provided. Introduction to Latent Class Analysis (LCA). Dr Oliver Perrra

1.0 Introduction to LCA using Mplus_OliverPerra_IntroLCA

This document provides an introduction to Mplus language (for beginners) and an outline of the syntax that Mplus uses to specify latent class models.

I also provide some hints concerning how to define and constrain latent class parameters such as conditional probabilities: these can be useful if you use other software to run LCA.

I chose to base my exercises on Mplus because Mplus seems to still provide more flexibility over the specification of latent class models (or mixture models, in general). However, other software can run LCA, including Stata, SAS PROC, and R.

1.1 Introduction to LCA with covariates and distal outcomes_OliverPerra_IntroLCA.docx

This document provides an introduction to the issues concerning the use of covariates and distal outcomes when using LCA, and how these have been resolved with two approaches (Multiple Pseudo-Class Draws; the 3-Step Approach). While I refer mostly to Mplus in illustrating the latter approaches, the procedures can be easily adapted to different software.

2.0 Exercises 1 and 2_OliverPerra_IntroLCA

This document presents the dataset that will be used for exercises 1 and 2, and sets a series of tasks as part of exercise 1 and exercise 2.

2.1 Solutions_exercise_1_OliverPerra_IntroLCA

This document presents the solutions for exercise 1. The Input and Output files are in folder: "files_exercise_1".

2.2 Solutions_exercise_2_OliverPerra_IntroLCA

This document presents the solutions for exercise 1. The Input and Output files are in folder: "files_exercise_2".

3.0 Exercises 3 and 4_OliverPerra_IntroLCA

This document presents the dataset that will be used for exercises 3 and 4, and sets a series of tasks as part of exercise 3 and exercise 4.

3.1 Solutions_exercise_3_OliverPerra_IntroLCA

This document presents the solutions for exercise 3. The Input and Output files are in folder: "files_exercise_3".

3.2 Solutions_exercise_4_OliverPerra_IntroLCA

This document presents the solutions for exercise 4. The Input and Output files are in folder: "files_exercise_4".