# About the Latent Class Analysis Teachers’ Corner

(1) Two introductory articles about latent class analysis have been provided for instructors. These articles were chosen to give instructors enough background so that they may guide students to identify types of research questions addressable using latent class analysis and to determine whether data are suitable for use with latent class analysis. For some courses, instructors may choose to distribute these articles to students for review prior to the discussion.

* Lanza, S. T., Bray, B. C., & Collins, L. M. (2013). An introduction to latent class and latent transition analysis. In J. A. Schinka, W. F. Velicer, & I. B. Weiner (Eds.), *Handbook of psychology* (2nd ed.,Vol. 2, pp. 691-716). Hoboken, NJ: Wiley.
* Lanza, S. T., & Cooper, B. R. (in press). Latent class analysis: Contributions to developmental research and new directions. *Child Development Perspectives*.

(2) A recommended reading list that is more comprehensive in nature has also been provided.

(3) A PowerPoint slideshow that provides a basis for a brief, introductory lecture has also been provided.

(4) A sample exercise is provided that includes materials for instructors to give to students and a set of solutions that instructors can use to evaluate the exercise. Several files are required for the exercise and are explained below:

* (a) LCA Teachers' Corner Exercise.docx = A Microsoft Word file that describes the exercise to the instructor and students. Note that to complete the exercise, the instructor and students will need to have installed PROC LCA/PROC LTA from <https://methodology.psu.edu/downloads/proclcalta>. And, to complete the optional part of the exercise, they will also need to have access to the LCA Graphics SAS macro from <https://methodology.psu.edu/downloads/sasgraphics>.
* (b) LCA-TC-Exercise-FOR-STUDENTS.sas = A SAS file to be distributed by the instructor to the students that contains the required data and example code to complete the exercise.
* (c) LCA-TC-EXERCISE-FOR-INSTRUCTORS.sas = A SAS file for the instructor that includes additional programming to flesh out the exercise.
* (d) LCA-TC-EXERCISE-FOR-INSTRUCTORS.docx = A Microsoft Word file for the instructor that includes annotated output providing the solutions to the exercise.