**Other Relevant Materials from Lesa Hoffman  
*(Note: Most links below include materials and lecture recordings)***

**Latent Trait Measurement Models (CFA, IFA/IRT, SEM)**

* This course—PSQF 6249 Fall 2022:[**Factor Analysis and Structural Equation Models**](http://lesahoffman.com/PSQF6249/index.html)

**Crossed Random Effects Models for Persons Crossed with Items**

* Explanatory Latent Trait Models: A Tale of Two Studies: [**Slides**](https://www.lesahoffman.com/Workshops/CASMA_UIowa_Talk_May2022.pdf) and [**Video**](https://youtu.be/qn5ziZYoUzc)  
  Presented at the [**CASMA**](https://education.uiowa.edu/casma) Colloquium Series, University of Iowa (May 2022)
* Lecture 6 and Example 6 from this course: <https://www.lesahoffman.com/PSQF7375_Clustered/index.html>

**Clustered Data Analysis**

* This class: <https://www.lesahoffman.com/PSQF7375_Clustered/index.html>
* APA Free Science Trainings is the first entry on this page: <https://www.lesahoffman.com/Workshops/index.html>

**Longitudinal Data Analysis**

* Introductory course—PSQF 6271 Fall 2022: [**Longitudinal Multilevel Models**](http://lesahoffman.com/PSQF6271/index.html)
* Advanced course—PSQF 7375 Spring 2023:[**Advanced Longitudinal Models**](http://lesahoffman.com/PSQF7375_AdvLong/index.html)
* SMiP 2022 workshop is the second entry on this page: <https://www.lesahoffman.com/Workshops/index.html>