

**TOPICS TO BE COVERED**  
**INTRODUCTION TO CAUSAL DATA ANALYSIS AND MODELING WITH COINCIDENCE ANALYSIS**  
**MAY 20-23, 2024, RUSH UNIVERSITY, CHICAGO, IL USA**

**DAY 1**

- ◆ Intro: Why CNA in Health Equity /Health Services Research?
- ◆ Methodological Landscape and the Essentials of Boolean Algebra
- ◆ Theories of Causation
- ◆ The General Principles of Configurational Causal Discovery
- ◆ Top-down vs. Bottom-up Search/the CNA algorithm
- ◆ Introduction to R (for those new to R)

**DAY 2**

- ◆ Data Types, Fuzzy Operations, Measures of Fit
- ◆ Calibration + Exercises
- ◆ Factor Selection + Exercises
- ◆ Running a Coincidence Analysis
- ◆ Preparing qualitative data for CNA

**DAY 3**

- ◆ Model Ambiguities + Exercises
- ◆ Overfitting
- ◆ Robustness + Exercises
- ◆ Replication of an Empirical Study

**DAY 4**

- ◆ Benchmarking
- ◆ CNA and Related Methods: QCA & Logic Regression
- ◆ Getting Funded and Published with CNA
- ◆ Extro: Revisiting “Why CNA in Health Equity /Health Services Research?”

Throughout the workshop, the instructors will be available for individual consultation. Extensive materials, including essential & supplementary readings, sample datasets and R scripts will be shared with participants in advance of the workshop.