

The course is structured as follows:

#### Day 1: Introduction to Necessary Condition Analysis

On the first day of the course, we will discuss the origins, key concepts, and principles of Necessary Condition Analysis. Using published research and practical examples, we will discuss the relevance of Necessary Condition Analysis for causal explanation, problem-solving, and decision-making. You will learn about the purpose of the method and its complementarity to other analytical techniques.

#### Day 2: Developing Necessity Theories and Hypotheses

The second day of the course will zoom in on the theoretical requirements and implications of Necessary Condition Analysis. We will discuss how necessity logic can strengthen existing theoretical frameworks or lead to new theoretical perspectives. There are several ways in which a Necessary Condition Analysis study can make a valuable theoretical contribution to the literature. You will learn how to recognize these contributions in your work and formulate necessity hypotheses that you can test in your area of research.

#### Day 3: Applying Necessary Condition Analysis

On the third day of the workshop, we will dive into the technical application of Necessary Condition Analysis. We will start with a step-by-step explanation of the research process, from study design to data analysis. We will discuss the criteria that we use to determine whether a condition is necessary or not. You will participate in hands-on exercises that will help you understand how to apply necessary condition analysis in your work.

#### Day 4: Advanced Topics

The fourth day of the workshop revolves around various advanced topics. We will discuss several emerging trends and development, including the combination of Necessary Condition Analysis with other methods such as Qualitative Comparative Analysis (QCA) or Partial Least Squares Regression (PLS).

#### Day 5: Conclusion

Day five of our course is dedicated to your development as a researcher. We will start with a recap of the key concepts and takeaways from the course. You will present the research proposal you developed and will receive feedback from the class and the instructors. We will make sure that you have everything you need to further develop your expertise and write impactful academic papers based on the Necessary Condition Analysis approach.