



Analyzing Behavior and Interactions with Theme: Detection and Analysis of Hidden Temporal Patterns

INSTRUCTOR RESUME



Magnus S. Magnusson is research professor and director of the Human Behavior Laboratory, University of Iceland. He is the creator of the t-pattern model and the Theme software, which he has developed and applied over more than 25 years during research at psychological, ethological and anthropological laboratories of European universities including Copenhagen University, the University of Paris (V, VIII & XIII) and the National Museum of Natural History, Paris. Besides a long standing collaboration with researchers at The University of Chicago, he now also works with researchers at the University of Arizona, the University of California at Irvine and The Babraham Institute (University

of Cambridge) and has lectured and organized workshops in the USA, Japan, and Europe. He is the founder and chairman of PatternVision Ltd.

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BENEFITS OF THE TUTORIAL

You will acquire understanding and skills regarding the analysis of behavior and interactions seen as the intra- and inter-individual construction and repetition of a particular type of (typically) hidden temporal patterns called t-patterns.

FEATURES

Participants will learn:

- About the use of this methodology and technology through presentation of example studies from both human and animal research.
- How to analyze behavioral and interaction patterns you have detected and answer various questions about their content, complexity, meaning and functional aspects.
- To detect how structure in behavior and interactions may depend on independent variables such as, for example, age, sex, tasks or experimental treatment.
- About the latest features in Theme 6.

AUDIENCE

Intended for researchers interested in the possibilities for new kinds of insights into the structure and function of human and animal behavior as well as the detection of effects of experimental and environmental factors on the structure of behavior.