**PhD Program in Psychology**

**Seminar “Introduction to Structural Equation Modeling with Mplus and R”**

**Prof. Stefanos Mastrotheodoros**

Department of Psychology, University of Crete, Greece

Department of Youth and Family, Utrecht University, the Netherlands

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Aula E - Piazza Aldo Moro 90, Cesena

**Abstract**

Structural Equation Modeling (SEM) is a sophisticated statistical approach applied in the social and behavioral sciences to examine causal pathways and interdependencies among variables. This seminar focuses on the assumptions and possible applications of SEM for developmental research and provides you with hands-on knowledge on how to test these models in both Mplus and R software packages. This seminar is aimed at researchers with a basic understanding of statistical assumptions and a general experience in the use of either or both software. To engage in the practical exercises, we recommend you have a dataset on which to practice and at least one of these programs installed on your computer.

**Reading**:

Kline, R. B. (2023). *Principles and practice of structural equation modeling*. Guilford publications.