



ALMA MATER STUDIORUM
UNIVERSITÀ DI BOLOGNA

DIPARTIMENTO
DI PSICOLOGIA
"RENZO CANESTRARI"

PhD Program in Psychology

Seminar "Dyadic Data Analysis"

Prof. Giulia Casu

Department of Psychology, University of Bologna

07/03/2025, 14:00 – 18:00

Aula 2, viale Berti Pichat 5, Bologna

Abstract

This course provides an introduction to dyadic data analysis, focusing on the theory and application of the Actor-Partner Interdependence Model (APIM) for analyzing interdependent data from dyads. The APIM is a widely used approach in psychology to examine the influence that partners in a dyad have on each other's outcomes, capturing both "actor" and "partner" effects within relationships. We will use the APIM_SEM app, a free, user-friendly tool developed by Lara Stas and David Kenny, which simplifies APIM analyses using structural equation modeling (SEM). Participants will learn to analyze dyadic data with the app, estimating actor and partner effects and exploring both distinguishable and indistinguishable dyads. This practical session will include hands-on analyses, enabling students to interpret outputs, summary tables, and figures generated by APIM_SEM, and to apply these techniques in their own research. This course is suitable for PhD students interested in advancing their skills in relationship-based data analysis within psychological research.

Readings:

Kenny, D. A., & Ledermann, T. (2010). Detecting, measuring, and testing dyadic patterns in the actor–partner interdependence model. *Journal of Family Psychology*, *24*(3), 359.

<https://doi.org/10.1037/a0019651>

Stas, L., Kenny, D. A., Mayer, A., & Loeys, T. (2018). Giving dyadic data analysis away: A user-friendly app for actor–partner interdependence models. *Personal Relationships*, *25*(1), 103-119.

<https://doi.org/10.1111/per.12230>