

Sequences of Regressions and Their Independence Graphs

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The study of pathways of dependences has a long history in the special case of sequences of linear regressions with single and joint responses. However, our knowledge on sequences of regressions in which joint responses may be quantitative or categorical variables or of both types, have only in the last decade developed into a general framework for studying development over time, in both observational and interventional studies. In this lecture, I summarize some of the recent results and of applications.