

Fotios S. Milienos
Department of Sociology, Panteion University of Social and Political Sciences, Greece
milienos@panteion.gr

Sigmoid growth models under a competing cause scenario*

The family of sigmoid growth models provides a valuable set of statistical tools for examining the evolutionary trajectories of entities across various fields, including sociology, biology, ecology, economics, and epidemiology. In this study, we delve into a broad class of sigmoid growth models, providing a novel interpretation under a competing cause scenario, akin to those employed in the theory of event history analysis. We focus on key common elements within the two statistical research areas, thereby highlighting potential future research directions and the role of discrete random variables.

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