

SGSSS Summer School 2024

Understanding and Modelling Trajectories in the Social Sciences

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Many interesting social phenomena follow processes of change that are not directly observable but can be inferred using statistical models. The classical example is the development trajectories of infants and children (e.g., height and weight) but many other outcomes are amenable to what are known as growth-curve analytical approaches e.g., career earnings trajectories, area-level change in business or charitable activity.

This short (2 hour) course will outline the fundamental concepts and approaches for estimating trajectories of change for social science phenomena, and includes practical examples and exercises using R and Stata.

Programme

11:00 – 11:10	Welcome
11:10 – 11:40	Lecture 1 – Fundamentals of modelling trajectories
11:45 – 11:55	Break
11:55 – 12:55	Practical 1 – Estimating growth-curve models
12:55 – 13:00	Conclusion