

Capita Selecta – Survival Analysis Methods

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This lecture introduces survival analysis methods used in clinical research. Topics include time-to-event data, Kaplan-Meier curves, and Cox proportional hazards models.

We cover:

- Censoring and truncation
- Non-parametric methods (Kaplan-Meier, log-rank tests)
- Semi-parametric methods (Cox regression)
- Parametric survival models
- Competing risks analysis

Applications in oncology, cardiovascular disease, and infectious disease research.