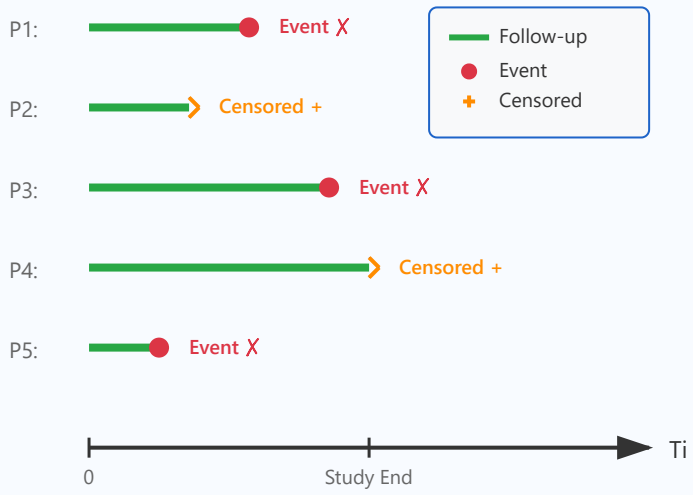
Survival Analysis

Time-to-event analysis: Death, disease recurrence, hospital readmission

Censoring Visualization



Censoring Types

- Right censoring (most common)
- Left censoring
- Interval censoring

Key Functions

- Survival function S(t)
- Hazard function h(t)
- Cumulative hazard H(t)

Advanced Topics

- Competing risks
- Recurrent events
- Time-varying covariates

Clinical Applications

- Overall survival (OS)
- Progression-free survival (PFS)
- Time to treatment failure