

### Sensitivity Analysis

**Sensitivity Analysis** Explores a range of values for each parameter (effect size, power, etc.)  
helpful to see if your assumptions about the parameters are correct.

**Survival curves** statistical methods in which the variable studied is the time until an event occurs (lifespan, product life, species, medication, employee retention) -> non-negative

Survival probability: probability of surviving at least  $t$  units of time.

Conditional: average amount of additional life

**Censored data** part of the information is not completely recorded (right, left, and interval censored)

**Hazard rate** risky circumstance/likelihood of an event -> always conditional on prior survival

Smaller intervals = + accurately estimate hazards

Hazard ratio -> tells if hazards are  $\uparrow$  or  $\downarrow$  ( $>1$  = increasing,  $<1$  = decreasing)

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By **pilarb**  
[cheatography.com/pilarb/](https://cheatography.com/pilarb/)

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