Confounding

20.04.21 15:36

- in a homogeneous population of patients we can thinh of treatment assignment as random = ignorability assumption would hold

Confounders are variables X; that affect both, treatment and outcome begin if we flip a coin to choose treatment A, then only treatment is affected by the agin flip, it doesn't affect (directly) the outcome confounder (=> the agin (flip) is not a confounder).

examples if people is family history of concer are more likely to develop cancer controlle), but family history was not a factor in the heatment decision, then family history is not a confounder. Is a variable that only affects the outcome is also called:

rish-factor (predictor)

Confounder example:

- old people @ higher rish of cardiov. disease (ontome) & old people are more likely to receive statius (treatment), then age is a confounder variable

Confounder control: We held to

- 1) identify a set of variables X that make the ignorability assumption valid. Is if we do this, then X is sufficient (i.e. X is sufficient to control for confounding)
- 2) use stats, methods to control for the confounding variables and to estimate causal effects of the treatment.
- => GOAL: find set of variables X that will achieve ignorability (i.e. {Ya3 ILT [X (Ya))

Lo X is a set that is sufficient to control for confounding.