

Simpson's Paradox

Trust No one - certainty is a LIE

brooklyn university is sexism :(

Simpson's paradox occurs when groups of data show one particular trend, but this trend is reversed when the groups are combined together.

$$(a/A) \leq (b/B) \text{ but } \rightarrow (\text{sum}(a)/\text{sum}(A)) > (\text{sum}(b)/\text{sum}(B))$$

Why? \longrightarrow

When group sizes differ, the totals for each side might be dominated by particular groups, but these groups belong to different categories.

ref: [Simpson's Paradox](#) | [Brilliant Math & Science Wiki](#)