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Original Article:

- Sample size: 42 students
- Variables: effects in automatic behavior
- Operational Definitions: Priming
- Result: participants primed w Einstein performed worse than participations primed w Schiffer

Consider...

- Reliability:
 - may be unreliable OR reliable based on interactions within the experiment itself
- Construct Validity:
 - Assimilation becoming apparent – measuring concept of intelligence
- Internal Validity
 - Possible Confounds?:
 - Natural personal changes within participants
 - Other possible threats?:
 - Selection effects
 - Participants themselves
 - Experimenter/observer bias
 - Participants may be presented with easier situations of assimilation based on bias which may alter the judgement of the automatic behavior
 - Demand characteristics
 - Participants being informed what they were being told to look for prior in a negative connotation and affects their finding
- External Validity
 - Population
 - Ecological
- Questionable research practices

Replication Article:

- Type of replication: conceptual
- Sample size: 25 per cell
- Changes to design?: “ability to detect the effect might have changed over time as a result of these cultural changes”
- Result: 40 labs submitted data for the project, 17 labs were unable to meet the preregistered inclusion criterion of providing data from a minimum of 25 men and 25 women in each condition

Consider...

- Reliability:
 - May be unreliable being that the replica experiment was conducted in a different manner --- inner structure was altered
- Construct Validity
 - results were combined across the different prime types, and the authors did not report a direct comparison of the professor and priming conditions.
- Internal Validity
 - Not all labs met all the criteria collected data from a large number of participants, the proposing authors and Editor made a data-blind decision to include these labs