GRAVE Analysis

(illustrated using examples from Milgram's classic study on obedience, check the YouTube video below to understand better- https://youtu.be/fH-Iq6OivPo?si=dxiYln0RINWrFr_1)

- 'Generalisability'
  - sample to population generalisability
    - *"Do the <mark>characteristics of the sample</mark> of this study represent the characteristics of the population to which we want to apply findings?"*
      - 40 men in Milgram's original study of obedience
      - variety of professions, variety of educational backgrounds
      - all from New Haven
      - difficult to generalise findings to women, to people outside of New Haven area in the USA and beyond USA (individualistic culture)
      - good generalisability to people from different professions and educational backgrounds in the population
  - sampling technique
    - *"Is the <mark>sampling technique</mark> used helpful in obtaining a sample that truly represents the population?"*
      - volunteer sampling
      - findings would not generalise to those not interested in learning and memory in the population = study was advertised as such
- applicability of the study to real world settings
  - mundane realism
    - *"Do the <mark>tasks in the study</mark> represent real world tasks in the area?"*
      - artificial task = administering shocks for failure to learn word-pairs on a list
      - real task would be = instead of electric shocks, scolding/reprimanding the learner/ learner pretending to be a national level culprit, etc.
  - ecological validity
    - *"Do the <mark>settings in which the study</mark> was conducted represent real life settings where the phenomenon would be observed?"*
      - artificial = shock generator machine, separation of learner and teacher, etc.
      - realistic = classroom, military setting, etc.

- Reliability
  - sameness/consistency in the procedure of the study
    - *"What was kept the same for every participant in this study?"*
      - e.g. shock levels - 1 to 30, 15 volts to 450 volts; every participant got a sample shock of 45 volts, etc.
  - special measures to ensure reliability
    - *"Was there any test-retest reliability/inter-observer/inter-rater reliability established?"*
      - e.g. none

- Application to Everyday Life
  - practical relevance of the findings
    - *"Where can the findings of this study be applied in practice?"*
      - to promote whistleblowing = incentivised programs are being prepared to discourage destructive obedience
      - to development of ethical guidelines to be maintained in psychological research

- Validity
  - preventing extraneous variables from confounding results
    - *"Which extraneous variables in this study were prevented from influencing participants' behaviour?"*
      - e.g. locus of control
        - external locus of control = more obedient
        - internal locus of control = less obedient

- Ethical Issues
  - ethics followed and not followed in the study
    - *"Which are the most prominent ethical considerations for this study?"*
      - deception = teaching-learning, role of the confederates, drawing of the chits, etc.
        - justification = modifying obedience by participants
      - harm = seizures, nervous laughter, etc.
        - justification = inevitable, pilot study
        - larger benefits to society
      - = restore the well-being, follow-up, etc.

_____

Lesson prepared by:

Jyotika Varmani
CIE A Levels Psychology School Teacher, Modern College, Mauritius
CIE A Levels Psychology Subject Expert, Podar International, Mumbai
AQA A Levels Psychology Tutor, Higher OTS Academy, UAE
AQA A Levels Psychology Tutor, Gritty Tech, India
AQA A Levels Psychology Tutor, Aurora ELearning, UAE
Edexcel Psychology Tutor, ETutor Home, India

Youtuber with 4k+ Global Psychology Student and Teacher Subscribers
Psychology Website Author with 10M+ Global Views
9+ Years Experience in International GCSE and A-Levels Psychology Tutoring for CIE,
AQA, Edexcel and IBDP

M.A. (Psychology Honours), UGC-SET and NET (first attempt, first ranker),
PGDHE (Post-Graduate Diploma in Higher Education)
Visit Jyotika Varmani's complete profile at -
https://www.teacheron.com/tutor-profile/1KH