Basics of statistics

• Independent vs. dependent variables
• Levels of measurement (e.g. nominal, ratio, ordinal)
• Frequencies
• Mean, Median, Standard Deviation
Quantitative analysis

- Null and alternative hypotheses
- One-tailed vs. two-tailed hypotheses
- Types of variables suitable for Chi Square Test of Association
- Alpha level
- \( p \) value (significance level)
- Decision to reject or not reject Null
- Reporting Chi Square results
Qualitative design and analysis

• The five approaches
  • Narrative
  • Ethnographic
  • Phenomenological
  • Grounded theory
  • Case study

• Methods of data collection

• Sampling size

• Data analysis methods (e.g. how themes will be identified)
Interpreting results

• Did findings answer research question(s)?
• Study limitations
  – Research design
  – Sampling strategy and representativeness
• Implications of findings for social work practice and/or policy
• Suggestions for further research