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