

# Creative Research Methods Technology and Mixed Methods Research

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# Research using technology

This presentation covers tech and mixed-methods

- Most commonly used for data gathering, transcription, analysis, communication
- Also helpful for planning, contextualisation, presentation, dissemination, collaboration
- Helps, fails, enables, disappoints, surprises
- Technology changes research practice: key ethical point

# Research using technology

- Digital divide – bigger than you think; problems of exclusion
- Online research can jeopardise people's safety – failure to maintain privacy, anonymity, confidentiality can lead to hacking or stalking
- Don't let technology seduce you into acting unethically – e.g. data analysis, presentation

# Research using technology

- Audio or video podcasts – consent
- Online surveys – reduce burden on participants
- Video – more accurate observational analysis
- Bridges distance
- Crosses boundaries
- Great teaching aid
- Open data, secondary data – quant and qual

# Mixed-methods research

- Traditionally quant + qual
- Now also quant + quant or qual + qual
- Traditionally mixed methods of data gathering
- Now also mix methods of e.g. contextualising, analysing data, writing, presenting, disseminating
- Often useful to investigate questions too complex for a single method to address

# Mixed-methods research

- More resource-intensive
- Potential for conflicts between paradigms, particularly when disciplines collide
- Not always easy to integrate findings
- Plan carefully, don't make it up as you go along
- The approach is maturing so make use of appropriate books and journals

# Mixed-methods research

- Tashakkori A & Teddlie C (2010) *SAGE Handbook of Mixed Methods in Social & Behavioral Research* (2<sup>nd</sup> edn)
- Creswell J & Plano Clark V (2011) *Designing and Conducting Mixed Methods Research* (1<sup>st</sup> edn – 2<sup>nd</sup> due Nov 17)
- Journal of Mixed Methods Research
- International Journal of Multiple Research Approaches

Next: transformative and Indigenous research

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