



ECAD6010 Session 6

Research Design: Considering Tools and Methods



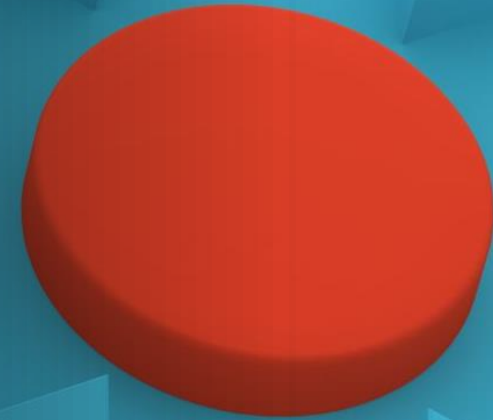


What is my
research
question?
How can I
answer it?

Research Question:		
What Data do I need to answer my RQ	How might I collect this data	What Research tool might I use?
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Qualitative and Quantitative Approaches



Quantitative and Qualitative Data

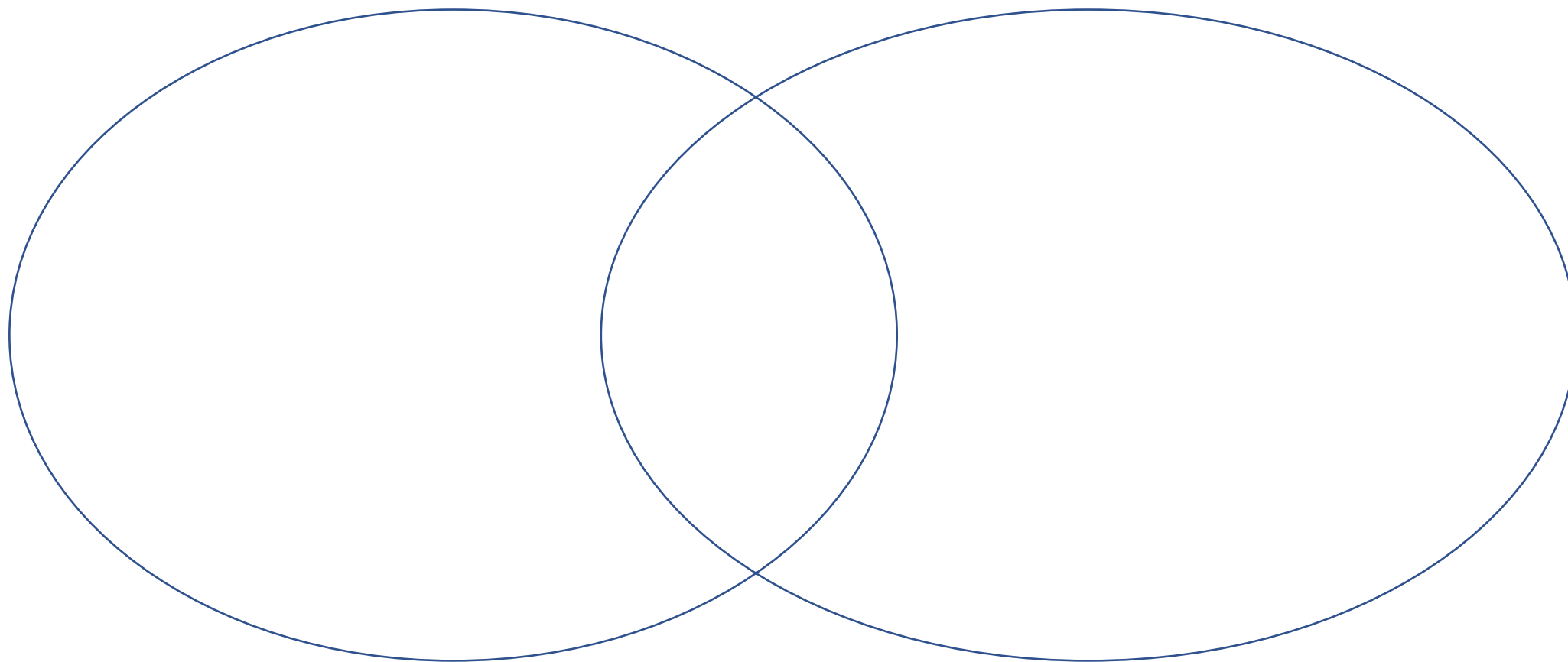
- Quantitative data refers to numerical information generated through the research process that can be understood, represented and analysed statistically.
- Qualitative data is non-numerical (e.g. text, image, audio) and offers the researcher a descriptive account of the phenomenon being studied.





Qualitative

Quantitative



Data sources

Could you collect and re-use existing data?

For example:

- Attainment?
- Attendance?
- Behaviour points?
- Reading ages?
- External assessment grades?
- Other existing data collected by the school or by you in your classroom?

Or do you need to collect new data for the purposes of this project?

- A questionnaire (pre-existing or one you write)
- Interviews? (with students? Teachers? Support staff?)
- Observations?
- Student work scrutiny?
- An existing resource/assessment/ toolkit (or one you create)?
- Other method(s)?



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Task:

Read the NFER guide to conducting qualitative and quantitative research and consider the following questions:

- Who is going to take part?
- When will you do your research?
- Who will be involved in conducting the research and collecting the data?
- What and how much data will you collect?
- How will you record, collate, store and analyse the data?
- How will you present your findings?
- How will you share or disseminate your findings?



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Questions?

References:

National Foundation for Educational Research (2013). *How to... Run qualitative and quantitative research: From definitions through to analysis* (How to Guides). Slough: NFER.