

# Planning your research investigation

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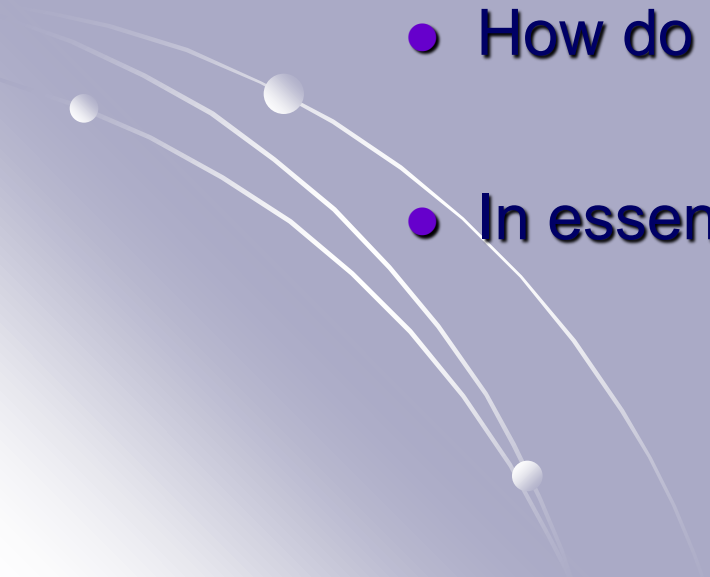
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**Department of Academic Emergency Medicine**


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# Locate your study

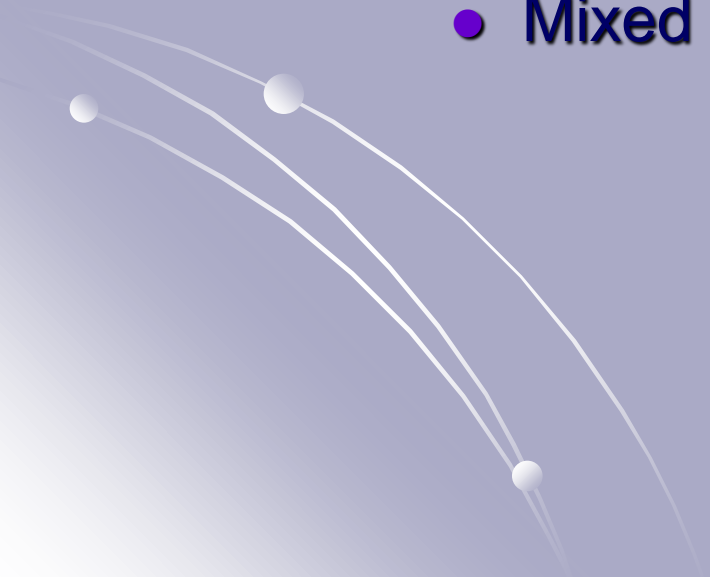
- Nature of knowledge
  - Epistemology/ontology
  - How do you search for that knowledge
  - In essence you are searching for 'truth'
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# Literature search

- Search engines/databases/terms
  - Search content
  - Search methodology
  - Analysis matrix
  - Qualitative (may suspend literature review)
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# Paradigm

- Quantitative
- Qualitative
- Mixed methods



# Design

- Quantitative
  - Objective
  - Numerical
  - Causal relationships
  - Prescriptive
  - Qualitative
  - Subjective
  - Verbal
  - Thematic analysis
  - Liberating the voice
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# Sample

- Sampling frame
  - Target population
  - Total population
  - Inclusion criteria
  - Exclusion criteria
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# Instrument

- Clinical trial
- 1:1 interview
- Descriptive survey
- Focus groups



# Research governance

- **Research and Development Committee**
  - **Ethics Committee electronic IRAS forms**
  - **Supporting documents**
  - **'Good clinical practice' in research**
  - **Defend your study**
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# Data analysis

- Descriptive data
  - Central tendency
  - Statistical inference
  - Accuracy
  - Transcription
  - Thematic analysis
  - Discourse analysis
  - Content analysis
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# Conclusions

- Recommendations
  - Substantive theory building
  - Dissemination
  - Publication
  - Conference presentation
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**Good luck!**

