

# As Etapas do Processo de Investigação

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**OPEN  
MINDS.  
GRAB  
THE FUTURE.**

# Objectivos da Aula de Hoje

- Perceber a lógica de desenvolvimento de um projecto de investigação.
- Perceber em que medida isso se coaduna ao processo de escrita da Dissertação.
- Perceber em que medida a lógica de desenvolvimento de um projecto de investigação varia em função da abordagem metodológica escolhida.

# Visão Geral do Processo de Investigação

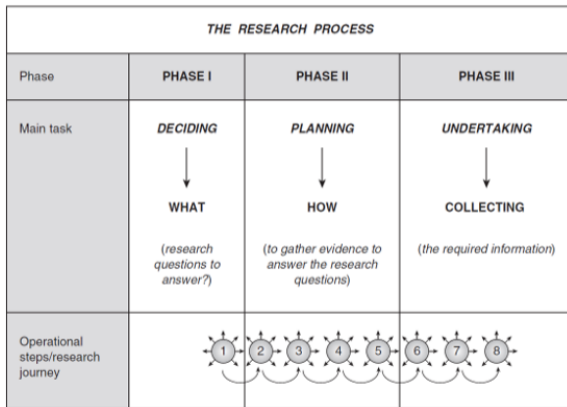
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# Visão Geral do Processo de Investigação

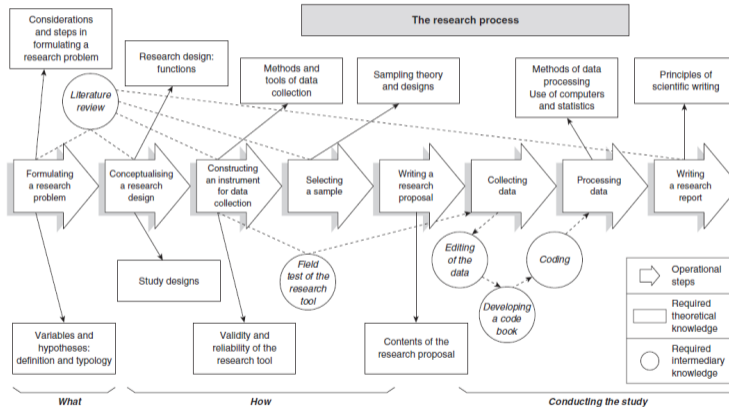
## Steps of the research design

Topic and methodology	WHAT is the research topic and which methodology will be employed?
↓	
Methodological construction of the topic	HOW will the research topic be addressed in this study?
↓	
Sampling procedures	WHERE and WHEN will the topic be studied, and WHO are the subjects?
↓	
Data collection	WHERE will the subjects be found and HOW will the data be gathered?
↓	
Data analysis and interpretation	HOW will the data be processed and in WHAT way will they be interpreted?
↓	
Reporting	HOW will the findings be communicated to the community and interested parties?

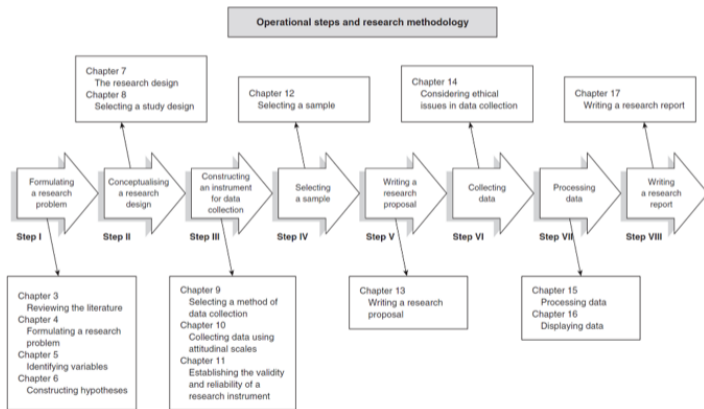
# Visão Geral do Processo de Investigação



# Visão Geral do Processo de Investigação



# O Processo de Investigação vs. A Dissertação



# O Processo de Investigação Nos Estudos Quantitativos

## Steps of the quantitative research design

Topic and  
methodology



- 1 Selection of the research topic and
- 2 Selection of the research methodology

Methodological  
construction of the topic



- 1 Formal definition of the topic
- 2 Exploration and operationalization
- 3 Formulation of hypotheses

Sampling  
procedures



- 1 Choice of sampling method
- 2 Setting administrative parameters



Data  
collection

- 1 Choosing the methods of data collection
- 2 Performing/organizing data collection
- 3 Supervizing/checking data collection



Data analysis and  
interpretation

- 1 Analysing and processing of data
- 2 Interpreting the findings



Reporting

- 1 Preparing a report for discussion/publication



# O Processo de Investigação Nos Estudos Quantitativos

## Steps of flexible research design

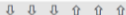
Topic and  
methodology

Selection of the research topic  
Selection of the research methodology



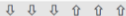
Methodological  
construction of the topic

Framing of research questions; literature review;  
conceptualization; strategy and rationale



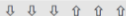
Sampling  
procedures

Choice of setting, key informants, study groups, events,  
methods of data collection, & of assistants



Data  
collection

Entering field; collecting data; re-defining, aligning  
methods/sampling; checking for soundness of data



Data analysis and  
interpretation

Analysing data, formulating/testing of hypotheses, aligning  
research process



Reporting

Preparing a report for discussion, submission and publication

# A Escolha do Tema (*What?*)

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# Critérios para Escolha do Tema

<b><i>Critério</i></b>	<b><i>Avaliação</i></b>
<i>Grau de Abstração</i>	O tema está próximo de situações/comportamento reais.
<i>Relevância</i>	O tema é relevante na investigação da minha área de estudo?
<i>Interesse</i>	O tema suscita interesse público.
<i>Carreira</i>	O tema é relevante para a minha futura carreira profissional/investigação?

## Escala de Avaliação:

Concordo Bastante  
Concordo  
Discordo  
Discordo Bastante

# ACTIVIDADE #1

**Preparar um Powerpoint  
com os seguintes  
elementos:**

*Descrição do tema*

<b><i>Critério</i></b>	<b><i>Avaliação</i></b>
<i>Grau de Abstração</i>	
<i>Relevância</i>	
<i>Interesse</i>	
<i>Carreira</i>	

Baseado em: Abu & Miles (2024: 6-7)

# O Planeamento do Estudo (*How?*)

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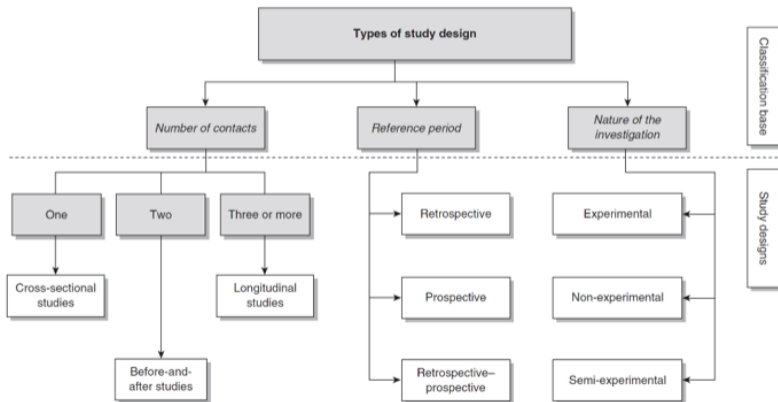
# A Escolha do Desenho de Investigação

Table 1.3 Alternative Research Designs

Quantitative Designs	Qualitative Designs	Methods Designs
<ul style="list-style-type: none"><li>• Experimental and quasi-experimental</li><li>• Single-subject</li><li>• Nonexperimental such as surveys</li><li>• Longitudinal</li></ul>	<ul style="list-style-type: none"><li>• Descriptive method</li><li>• Narrative research</li><li>• Phenomenology</li><li>• Grounded theory</li><li>• Ethnography</li><li>• Case study</li></ul>	<ul style="list-style-type: none"><li>• Convergent</li><li>• Explanatory sequential</li><li>• Exploratory sequential</li><li>• Complex designs with embedded core designs</li></ul>

Fonte: Creswell & , Creswell (Tabela 1.3)

# Desenhos de Investigação Quantitativos



# Desenhos de Investigação Mistos

<i>Mixed Methods Design</i>	<i>Theoretical Lens (Philosophical Paradigm)</i>	<i>Timing</i>	<i>Integration</i>	<i>Methodological Rationale</i>	<i>Priority</i>
<i>Sequential explanatory design</i>	Implicit (post-positivist lens)	Sequential, beginning with quantitative phase	Data Analysis stage (connected) and interpretation stage (merged)	Complementarity	Quantitative data/method
<i>Sequential exploratory design</i>	Explicit (constructivist lens)	Sequential, beginning with qualitative phase	Data Analysis stage (connected) and interpretation stage (merged)	Development, complementarity and/or expansion	Qualitative data/method
<i>Sequential transformative design</i>	Explicit (advocacy lens)	Sequential, beginning with either quantitative or qualitative phase	Data Analysis stage (connected) and interpretation stage (merged)	Complementarity, development and/or expansion	Equal or unequal weight
<i>Concurrent triangulation design</i>	Implicit	Concurrent	Data analysis stage (separated) and interpretation stage (merged)	Triangulation	Equal weight
<i>Concurrent nested design</i>	Implicit or explicit	Concurrent	Data analysis stage (data transformed and/or merged) and interpretation stage (merged)	Complementarity, initiation and/or expansion	Unequal weight
<i>Concurrent transformative design</i>	Explicit (advocacy lens)	Concurrent	Data analysis stage (separated) and interpretation stage (merged)	Complementarity, initiation and/or expansion	Equal or unequal weight





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