

As Etapas do Processo de Investigação

Amílcar Moreira

ISEG - Instituto Superior de Economia e Gestão
Universidade de Lisboa

November 9, 2024

**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.

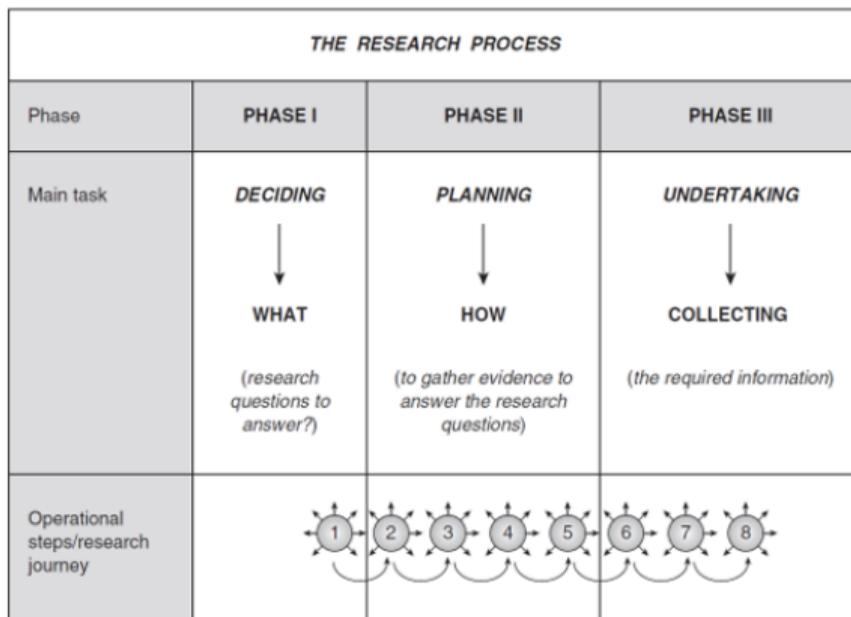
Visão Geral do Processo de Investigação

Visão Geral do Processo de Investigação

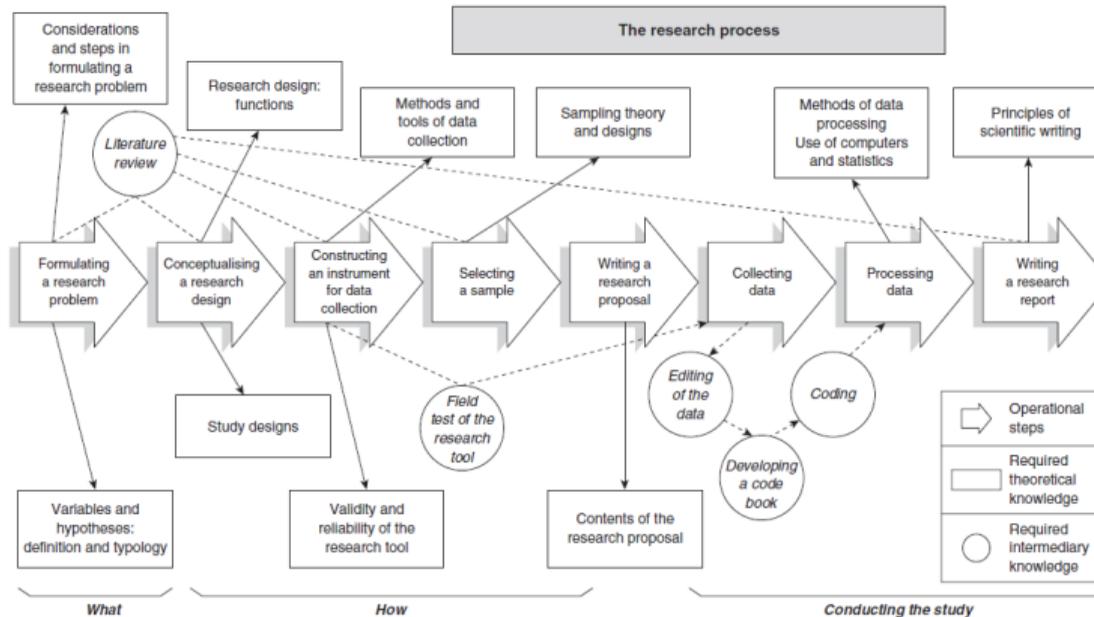
Steps of the research design

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?

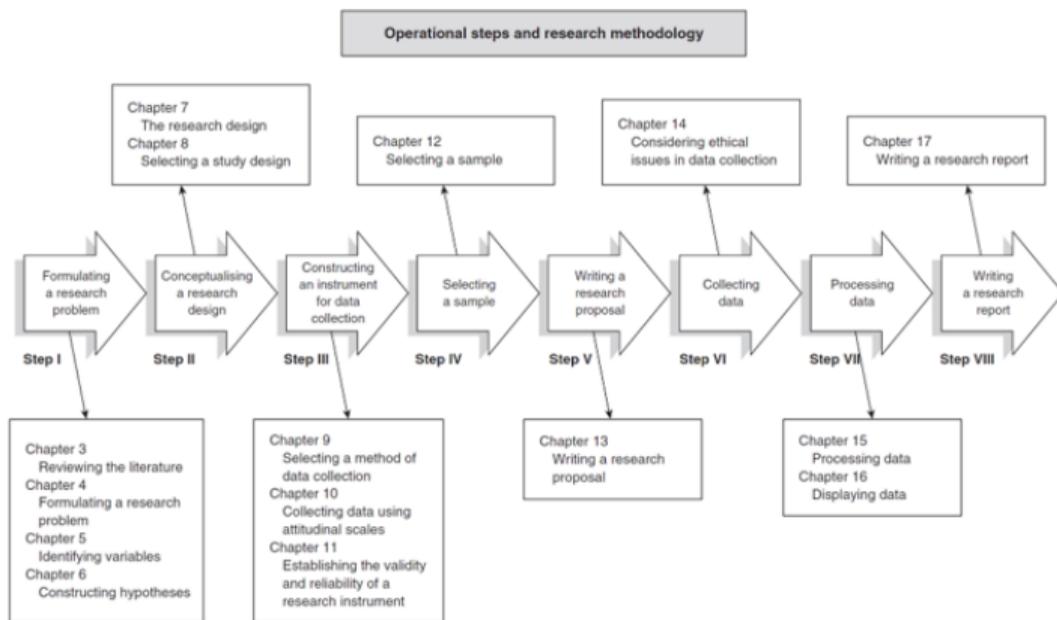
Visão Geral do Processo de Investigação



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?*)

Critérios para Escolha do Tema

<i>Critério</i>	<i>Avaliação</i>
<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

<i>Critério</i>	<i>Avaliação</i>
<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?*)

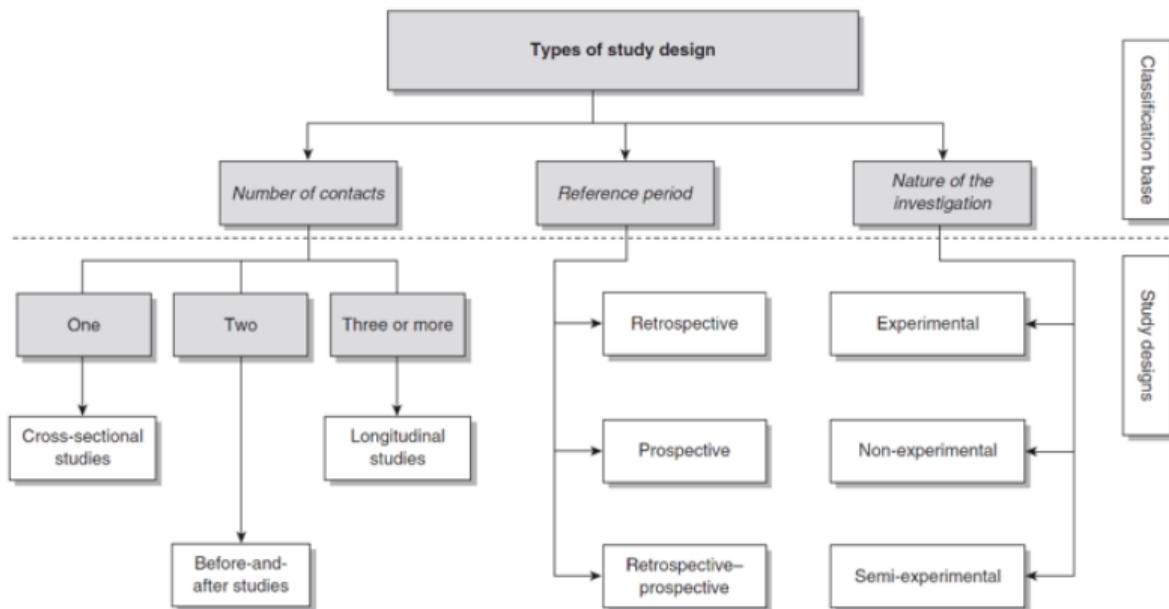
A Escolha do Desenho de Investigação

Table 1.3 Alternative Research Designs

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

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



Amílcar Moreira

ISEG - Instituto Superior de Economia e Gestão
Universidade de Lisboa

November 3, 2024