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Daniel Vartanian

tesesusp: a Quarto format for USP theses and dissertations

2023

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Ficha catalográfica

Errata sheet

This is the thesis development version (<1.0.0). Corrections will be listed here, if needed, after the thesis defense.

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Acknowledgements

I would like to acknowledge Daniel Vartanian's awesome Quarto format template! :)

Abstract

[Sobrenome], [Iniciais]. ([Ano]). *[Título]* [(Tese/Dissertação) de (Mestrado/Doutorado)]. [Departament/Escola], [Universidade], [Cidade]. [URL]

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Palavras-chaves: Palavra-chave 1. Palavra-chave 2. Palavra-chave 3.

Abstract

[Surname], [Initials]. ([Year]). *[Title]* [(Master's/PhD) thesis]. [Department/School], [University], [City]. [URL]

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Keywords: Keyword 1. Keyword 2. Keyword 3.

List of Figures

Lista de algoritmos

List of Tables

List of abbreviations and acronyms

Abbreviation 1   Abbreviation expanded definition

Abbreviation 2   Abbreviation expanded definition

Abbreviation 3   Abbreviation expanded definition

Abbreviation 4   Abbreviation expanded definition

Abbreviation 5   Abbreviation expanded definition

Abbreviation 6   Abbreviation expanded definition

Abbreviation 7   Abbreviation expanded definition

Abbreviation 8   Abbreviation expanded definition

Abbreviation 9   Abbreviation expanded definition

Abbreviation 10   Abbreviation expanded definition

List of symbols

Γ	Gamma
Λ	Lambda
ζ	zeta
$\in$	Belongs

Table of contents

1 Introduction

> **ℹ Note**
>
> The text below is for demonstrative purposes only.
>
> See https://quarto.org/docs/authoring/markdown-basics.html to learn about the basics of Markdown's syntax.

"The activity can be represented by a *general schema of problem- solving by the method of imaginative conjectures and criticism*, or, as I have often called it, by *the method of conjecture and refutation*. The schema (in its simplest form) is this

$$P_1 \rightarrow TT \rightarrow EE \rightarrow P_2$$

Here P_1, is the *problem* from which we start, TT (the 'tentative theory') is the imaginative conjectural solution which we first reach, for example our first *tentative interpretation*. EE (*'error- elimination'*) consists of a severe critical examination of our conjecture, our tentative interpretation: it consists, for example, of the critical use of documentary evidence and, if we have at this early stage more than one conjecture at our disposal, it will also consist of a critical discussion and comparative evaluation of the competing conjectures. P_2, is the problem situation as it emerges from our first critical attempt to solve our problems. It leads up to our second attempt (*and so on*). A satisfactory understanding will be reached if the interpretation, the conjectural theory, finds support in the fact that it can throw new light on new problems—on more problems than we expected; or if it finds support in the fact that it explains many sub-problems, some of which were not seen to start with. Thus we may say that we can gauge the progress we have made by comparing P_1; with some of our later problems (P_n, say)."

(Popper 1979, 164)

1.1 A secondary section
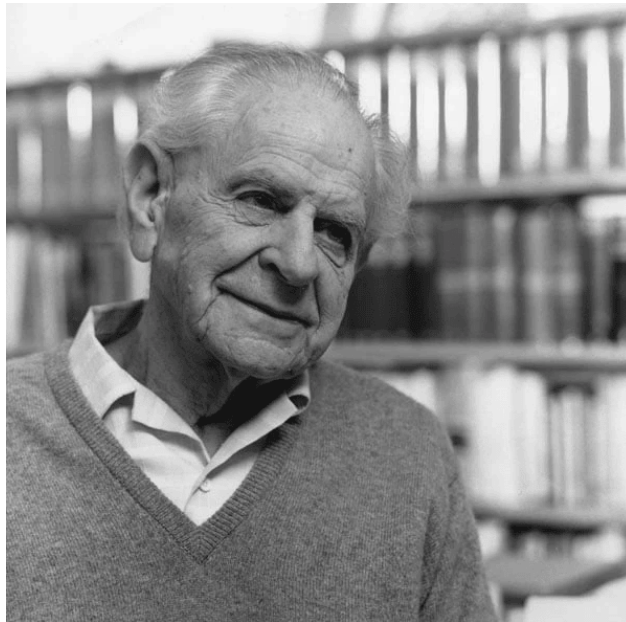
1. List
2. List
3. List

Figure 1 – Karl Popper (28 July 1902 – 17 September 1994)
One of the 20th century's most influential philosophers of science, Popper is known for his rejection of the classical inductivist views on the scientific method in favour of empirical falsification.

1.1.1 A tertiary section

```
1  plot(cars)
2  plot(pressure)
```
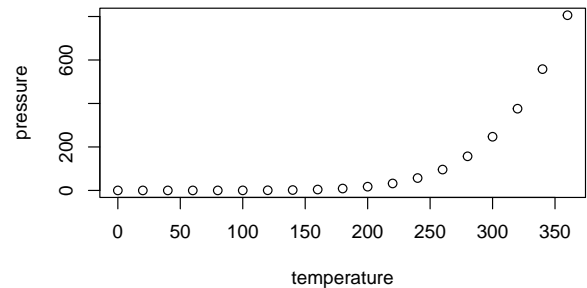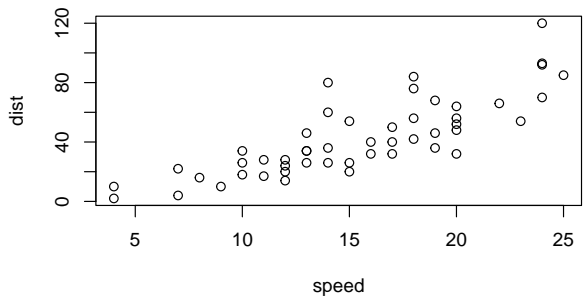

Figure 2 – Speed and stopping distances of cars

Figure 3 – Vapor pressure of mercury as a function of temperature

Sepal.Length	Sepal.Width	Petal.Length	Petal.Width	Species
6.5	3.0	5.5	1.8	virginica
6.5	3.0	5.8	2.2	virginica
5.0	3.0	1.6	0.2	setosa
5.0	3.5	1.6	0.6	setosa
6.2	2.9	4.3	1.3	versicolor

A quaternary section

- Bullet
  - Bullet
    - Bullet
      - Bullet

A quinary section

```
1  datasets::iris |>
2    dplyr::as_tibble() |>
3    dplyr::slice_sample(n = 5)
```

2 Methods

> ❗ Important
>
> You are reading the work-in-progress of this thesis. This chapter is currently a dumping ground for ideas, and I don't recommend reading it.

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3 Results

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4 Discussion

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5 Final remarks

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References [1]

Popper, Karl R. 1979. *Objective Knowledge: An Evolutionary Approach*. Rev. ed. Oxford University Press.

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[1]   According to the APA style - American Psychological Association.

A Appendice 1

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