



Primeira edição

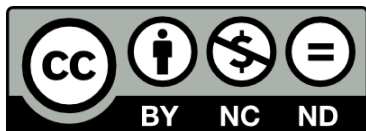
Título do livro
Subtítulo do livro

Fernando Pujaico Rivera

Lavras/MG

2020

Copyright © 2020 Fernando Pujaico Rivera



Esta obra está liberada com uma Licença Creative Commons Atribuição - NãoComercial - SemDerivações 4.0 Internacional, não é possível usar este arquivo excepto em conformidade com a Licença. Uma copia da licença pode ser obtida em: <https://creativecommons.org/licenses/by-nc-nd/4.0/>

Limite de responsabilidade e exceção de garantia: O autor tem feito seu melhor esforço na preparação deste material, esta edição deve ser proporcionada sem nenhuma modificação e se distribui gratuitamente com a esperança de que seja útil, porém sem nenhuma garantia expressa ou implícita em relação à exatidão ou completitude do conteúdo.

Garanta o “download” gratuito da versão digital do livro em <http://XXXXXXXXXXXXX.com>

Impresso no Brasil – ISBN: XXXXXXXXXXXX

Publicado: Edição Independente

Diagramação: Fernando Pujaico Rivera

Revisão de texto: Fernando Pujaico Rivera

Capa: Fernando Pujaico Rivera

Pujaico Rivera, Fernando, 1982.

Título do livro: Subtítulo do livro / Fernando Pujaico Rivera. – Lavras/MG, Edição Independente, 2020.

46 p.: 21.0x29.7.

Inclui Bibliografia

ISBN:XXXXXXXXXXXX

1. Dança. 2. Samba. 3. Samba de gafeira. I. Título.

CDD: 792.62 CDU: 793.3

Amicum lege feliciter, vivas, gaudeas, floreas in Deo.

Fernando

Agradecimentos

Dou muitas graças a Deus

Patrocínio

Se deseja investir nesta pesquisa, colaborando com o desenvolvimento e crescimento do projeto, então convido você a adquirir um exemplar deste livro. Para ver uma lista com indicações sobre onde comprar uma versão impressa ou digital desta obra, dirija-se a:

- <http://XXXXXXXXXXXX.com/comprarfisico/>
- <http://XXXXXXXXXXXX.com/comprardigital/>

Também pode colaborar com dinheiro em efetivo, desde 5 reais, pelo seguinte método:

- <https://apoia.se/XXXXXXXXXXXX>

Para verificar a integridade do arquivo na versão digital do livro, pode-se seguir as indicações publicadas no endereço eletrônico do projeto:

- <https://trucomanx.github.io/XXXXXXXXXXXX/verificar.html>

Se já colaborou com esta pesquisa, e se assim o desejar, sinta-se livre de me mandar um correio eletrônico no endereço fernando.pujaico.rivera@gmail.com, sugerindo a abordagem de um novo assunto ou o aprofundamento em outro. Se seu pedido está dentro das minhas capacidades, este será agregado sem falta na seguinte edição do livro.

Fernando Pujaico Rivera

Prólogo

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.

Nam dui ligula, fringilla a, euismod sodales, sollicitudin vel, wisi. Morbi auctor lorem non justo. Nam lacus libero, pretium at, lobortis vitae, ultricies et, tellus. Donec aliquet, tortor sed accumsan bibendum, erat ligula aliquet magna, vitae ornare odio metus a mi. Morbi ac orci et nisl hendrerit mollis. Suspendisse ut massa. Cras nec ante. Pellentesque a nulla. Cum sociis natoque penatibus et magnis dis parturient montes, nascetur ridiculus mus. Aliquam tincidunt urna. Nulla ullamcorper vestibulum turpis. Pellentesque cursus luctus mauris.

Sumário

Prólogo	9
Listas de dados	13
Lista de definições	13
Lista de teoremas	13
Lista de notações	13
Lista de exemplos	13
Lista de exercícios	13
Lista de informações	14
Lista de elaborações	14
Lista de frases	14
 I Sample of text	 15
1 Text Chapter: Full Connected Neural Network	17
1.1 Paragraphs of Text	17
1.2 Citation	18
1.3 Lists	18
1.3.1 Numbered List	18
1.3.2 Bullet Points	19
1.3.3 Descriptions and Definitions	19
 II Enviroments	 21
2 In-text Elements	23
2.1 Boxs	23
2.1.1 Theorems	23
2.1.2 Exercises	24
2.2 Examples	24
2.3 Definitions	25
2.4 Notations	27
2.5 Equationbox	28
2.6 Phrasebox	28
2.7 Attentionbox	29

2.8	Informationbox	29
2.9	Elaborationbox	29
2.10	Tcbenumeratetext	30
2.11	Notebox	30
3	Presenting Information	31
3.1	Table	31
3.2	Figure	32
III	Macros	33
4	Macros	35
4.1	File math-macros.tex	35
IV	Referencias	39
	Bibliografia	41
	Índice	43

Listas de dados

Listas de definições

2.3.1	Definition name	25
-------	-----------------------	----

Listas de teoremas

2.1.1	Name of the theorem	23
2.1.2	Teorema	24
2.2.1	Teorema	25
2.2.2	Teorema	25
2.3.1	Theorem name	26

Listas de notações

2.4.1	notation	27
2.4.2	Notation name title very large	27
2.4.3	notation	28
2.4.4	Notation title	28
2.10.1	Notation name title very large	30

Listas de exemplos

2.2.1	Example name	25
-------	--------------------	----

Listas de exercícios

2.1.1	Exercise name	24
2.1.2	Exercise name A0	24

2.3.1	Exercise name A	26
2.3.2	Exercise name	26
2.3.3	Exercise name B	27

Lista de informações

1.1	Título A	17
1.2	Título B	18
2.1	Título A	29

Lista de elaborações

1.1	Título C	18
2.1	Title of elaborationbox	29

Lista de frases

1.1	Frase title A	17
1.2	Frase title B	17
2.1	Frase title	28

PARTE



Sample of text

Text Chapter: Full Connected Neural Network

1.1 Paragraphs of Text

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.



Título A: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

Text

Frase 1.1: Frase title A

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

Autor

Frase 1.2: Frase title B

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

Autor

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

1.2 Citation

This statement requires citation [Smi12]; this one is more specific [Smi13, página 122].

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



Título B: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.^a

^aSimple footnote example.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



Título C

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

1.3 Lists

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.¹.

1.3.1 Numbered List

1. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris..
2. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris..

¹Footnote example...

3. Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris..

1.3.2 Bullet Points

- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris..
- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris..
- Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris..

1.3.3 Descriptions and Definitions

Name Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris..

Word Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris..

Comment Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris..

PARTE



Enviroments

In-text Elements

2.1 Boxes

This is an example of theorems. Theorema 2.1.1, 2.1.2, 2.2.1, 2.2.2 e 2.3.1.

2.1.1 Theorems

```
\begin{theorem}[Name of the theorem]
\label{theo:A}
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{theorem}
```

**Teorema
2.1.1**

Name of the theorem

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.1)$$

```
\begin{proof}[Relative to Teorema \ref{theo:A}]
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{proof}
```

Prova 2.1.1 (Relative to Teorema 2.1.1). *Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.*

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.2)$$

2.1.2 Exercises

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

```
\begin{exercise}[Exercise name]
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{exercise}
```

Exercise name

Exercício 2.1.1: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.3)$$

```
\begin{exercise}[Exercise name A0]
\label{ex:A0}
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{exercise}
```

Exercise name A0

Exercício 2.1.2: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.4)$$

```
\begin{theorem}
\label{theo:B}
\lipsum[1][1-3]
\end{theorem}
```

Teorema 2.1.2

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

2.2 Examples

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. See Example 2.1.2


```
\begin{example}[Example name]
\label{ex:A0:b}
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{example}
```

Exemplo 2.2.1 — Example name: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.5)$$

```
\begin{theorem}
\label{theo:C}
\lipsum[1][1-3]
\end{theorem}
```

Teorema 2.2.1

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

```
\begin{theorem}
\label{theo:D}
\lipsum[1][1-3]
\end{theorem}
```

Teorema 2.2.2

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

2.3 Definitions

Definition 2.3.1,

```
\begin{definition}[Definition name]
\label{def:A0}
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{definition}
```

Definição 2.3.1 — Definition name: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.6)$$

```
\begin{theorem}[Theorem name]
\label{theo:E}
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{theorem}
```

Teorema 2.3.1

Theorem name

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.7)$$

```
\begin{exercise}[Exercise name A]
\label{exer:A}
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{exercise}
```

Exercise name A

Exercício 2.3.1: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.8)$$

```
\begin{exercise}[Exercise name]
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{exercise}
```

Exercise name

Exercício 2.3.2: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.9)$$

```
\begin{exercise}[Exercise name B]
\label{exer:B}
\lipsum[1][1-3]
\begin{equation}
x^2+e^{-\frac{x^2}{2}}=1
\end{equation}
\end{exercise}
```

Exercise name B

Exercício 2.3.3: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.10)$$

Exer 2.1.2, 2.3.1 e 2.3.3.

2.4 Notations

Notations 2.4.1, 2.4.2, 2.4.3 e 2.4.4.

```
\begin{notation}
\label{not:A}
\lipsum[1][1-3]
\begin{equation}
x^2 + e^{-\frac{x^2}{2}} = 1
\end{equation}
\end{notation}
```

Notação 2.4.1: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.11)$$

```
\begin{notation}[Notation name title very large]
\label{not:B}
\lipsum[1][1-3]
\begin{equation}
x^2 + e^{-\frac{x^2}{2}} = 1
\end{equation}
\end{notation}
```

Notation name title very large

Notação 2.4.2: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.12)$$

```
\begin{notation}
\label{not:C}
\lipsum[1][1-3]
\begin{equation}
x^2 + e^{-\frac{x^2}{2}} = 1
\end{equation}
\end{notation}
```

Notação 2.4.3: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.13)$$

```
\begin{notation}[Notation title]
\label{not:D}
\lipsum[1][1-3]
\end{notation}
```

Notation title

Notação 2.4.4: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

2.5 Equationbox

```
\begin{equationbox}
\begin{equation}
x^2 + e^{-\frac{x^2}{2}} = 1
\end{equation}
\end{equationbox}
```

$$x^2 + e^{-\frac{x^2}{2}} = 1 \quad (2.14)$$

2.6 Phrasebox

```
\begin{phrasebox}{Frase title}{Fernando P. R.}
\lipsum[1][1-3]
\end{phrasebox}
```

Frase 2.1: Frase title

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

Fernando P. R.

2.7 Attentionbox

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

```
\begin{attentionbox}
\lipsum[1] [1-3]
\end{attentionbox}
```



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

2.8 Informationbox

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

```
\begin{informationbox}{Título A}
\lipsum[1] [1-3]
\end{informationbox}
```



Título A: Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

2.9 Elaborationbox

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

```
\begin{elaborationbox}{Title of elaborationbox}
\lipsum[1] [1-3]
\end{elaborationbox}
```



Title of elaborationbox

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

2.10 Tcbenumeratetext

```
\begin{tcbenumeratetext}[colorNotation]
\tcbitem First line of text.
\tcbitem Second line of text.
\end{tcbenumeratetext}
```

1 First line of text.

2 Second line of text.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

```
\begin{enumerate}
\item First line of text.
\item Second line of text.
\end{enumerate}
```

1. First line of text.

2. Second line of text.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

```
\begin{notation}[Notation name title very large]
Text before tcbenumeratetext enviroment.
\begin{tcbenumeratetext}[colorNotation]
\tcbitem First line of text.
\tcbitem Second line of text.
\end{tcbenumeratetext}
Text out of tcbenumeratetext enviroment.
\end{notation}
```

Notation name title very large

Notação 2.10.1:Text before tcbenumeratetext enviroment.

1 First line of text.

2 Second line of text.

Text out of tcbenumeratetext enviroment.

2.11 Notebox

```
\begin{notebox}
\lipsum[1][1-3]
\end{notebox}
```



Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris.

Presenting Information

3.1 Table

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



```
\begin{table}[h]
\centering
\begin{tabular}{l l l}
\toprule
\textbf{Treat.} & \textbf{Resp. 1} & \textbf{Resp. 2}\\
\midrule
Treatment 1 & 0.0003262 & 0.562 \\
Treatment 2 & 0.0015681 & 0.910 \\
Treatment 3 & 0.0009271 & 0.296 \\
\bottomrule
\end{tabular}
\caption{Table caption}
\end{table}
```

Treat.	Resp. 1	Resp. 2
Treatment 1	0.0003262	0.562
Treatment 2	0.0015681	0.910
Treatment 3	0.0009271	0.296

Tabela 3.1: Table caption

3.2 Figure

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Ut purus elit, vestibulum ut, placerat ac, adipiscing vitae, felis. Curabitur dictum gravida mauris. Nam arcu libero, nonummy eget, consectetur id, vulputate a, magna. Donec vehicula augue eu neque. Pellentesque habitant morbi tristique senectus et netus et malesuada fames ac turpis egestas. Mauris ut leo. Cras viverra metus rhoncus sem. Nulla et lectus vestibulum urna fringilla ultrices. Phasellus eu tellus sit amet tortor gravida placerat. Integer sapien est, iaculis in, pretium quis, viverra ac, nunc. Praesent eget sem vel leo ultrices bibendum. Aenean faucibus. Morbi dolor nulla, malesuada eu, pulvinar at, mollis ac, nulla. Curabitur auctor semper nulla. Donec varius orci eget risus. Duis nibh mi, congue eu, accumsan eleifend, sagittis quis, diam. Duis eget orci sit amet orci dignissim rutrum.



```
\begin{figure}[h]  
\centering\includegraphics[width=0.3\textwidth]{placeholder.jpg}  
\caption{Figure caption}  
\end{figure}
```



Figura 3.1: Figure caption



Search image files in directory: ./pictures

PARTE



Macros

Macros

4.1 File math-macros.tex



```
\begin {equation}
\FuncOf {f}{x}
\end {equation}
```

$$f(x) \quad (4.1)$$



```
\begin {equation}
\MinOf {x}{f(x)}
\end {equation}
```

$$\min_x f(x) \quad (4.2)$$



```
\begin {equation}
\ArgMin {x}{f(x)}
\end {equation}
```

$$\arg_x \min f(x) \quad (4.3)$$



```
\begin {equation}
\ArgMinDef {x}{f}
\end {equation}
```

$$\arg_x \min f(x) = \left\{ x | f(x) = \min_{x'} f(x') \right\} \quad (4.4)$$



```
\begin {equation}
\EigenSet {A}{v}{\lambda }
\end {equation}
```

$$\{v, \lambda | Av = \lambda v\} \quad (4.5)$$



```
\begin {equation}
\InnerProd {x}{y}
\end {equation}
```

$$\langle x, y \rangle \quad (4.6)$$



```
\begin {equation}
\Norm {x}
\end {equation}
```

$$\|x\| \quad (4.7)$$



```
\begin {equation}
\Cardinality {x}
\end {equation}
```

$$\text{card}(x) \quad (4.8)$$



```
\begin {equation}
\DiagFunc {x}
\end {equation}
```

$$\text{diag}(x) \quad (4.9)$$



```
\begin {equation}
\Vector {x}
\end {equation}
```

$$\mathbf{x} \quad (4.10)$$



```
\begin {equation}
\Matrix {x}
\end {equation}
```

$$\mathbf{X}$$

(4.11)



```
\begin {equation}
\DtVector {x}
\end {equation}
```

$$\dot{\mathbf{x}}$$

(4.12)



```
\begin {equation}
\DDtVector {x}
\end {equation}
```

$$\ddot{\mathbf{x}}$$

(4.13)



```
\begin {equation}
\DtMatrix {x}
\end {equation}
```

$$\dot{\mathbf{X}}$$

(4.14)



```
\begin {equation}
\DDtMatrix {x}
\end {equation}
```

$$\ddot{\mathbf{X}}$$

(4.15)



```
\begin {equation}
\DPartial {y}{x}
\end {equation}
```

$$\frac{\partial y}{\partial x}$$

(4.16)



```
\begin {equation}  
\DDPartial {y}{x}  
\end {equation}
```

$$\frac{\partial^2 y}{\partial x^2} \quad (4.17)$$



```
\begin {equation}  
\DDPartialXY {z}{x}{y}  
\end {equation}
```

$$\frac{\partial^2 z}{\partial x \partial y} \quad (4.18)$$

PARTE

IV

Referencias

Bibliografia

- [Smi12] John Smith. *Book title*. 1ª edição. Volume 3. 2. City: Publisher, jan. de 2012, páginas 123–200 (ver página 18).
- [Smi13] James Smith. “Article title”. Em: 14.6 (mar. de 2013), páginas 1–8 (ver página 18).

Índice Remissivo

A

Attentionbox 29

B

Boxs 23

C

Citation 18

D

Definitions 25

E

Elaborationbox 29

Equationbox 28

Examples 24

Exercises
 Single Line 24

F

Figure 32

Frases e Ditados

 Frase title 28

 Frase title A 17

 Frase title B 17

I

Informationbox 29

L

Lists 18

 Bullet Points 19

 Descriptions and Definitions 19

 Numbered List 18

N

Notations 27

Notebox 30

P

Paragraphs of Text 17

Phrasebox 28

T

Table 31

Tcbenumeratetext 30

Theorems

 Several Equations 23

Este livro foi produzido por Fernando Pujaico Rivera, editado e diagramado usando \LaTeX , com um tipo de fonte codificação: T1, família: ptm, série: m, e tamanho: 12 pt , para ser impresso num papel tamanho 21.0x29.7. Edição criada em XXXXXXXXXXXX 2020.