



WOLFRAM
COMPUTATION MEETS KNOWLEDGE



UNIVERSIDADE ESTADUAL PAULISTA
"JÚLIO DE MESQUITA FILHO"

Workshop presencial com certificado:

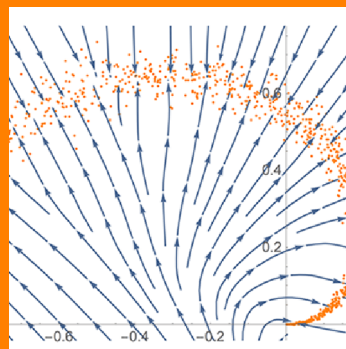
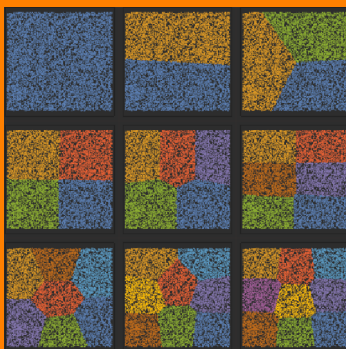
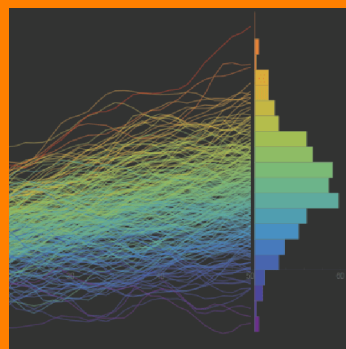
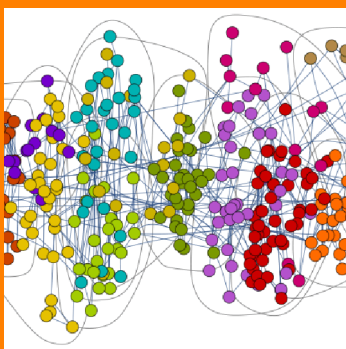
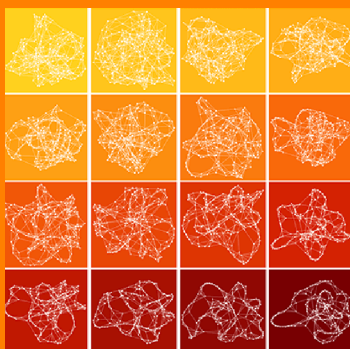
Machine Learning and Artificial Intelligence with Wolfram Language

MSc Eng. Daniel S Carvalho - Wolfram Research

Sexta-feira dia 25/08/2023 às 15:00



























<https://aiafeg2023.github.io/AIA.2023/#!program-final>

Laboratório 5, polo da computação





Wolfram Language

Symbolic Language 	Numerics 	Mathematical Computation 
Algebraic Manipulation 	Number Theory 	Function Visualization 
Data Manipulation & Analysis 	Machine Learning 	Data Visualization & Graphics 
Strings & Text 	Graphs & Networks 	Images 
Geometry 	Sound & Video 	Knowledge Representation & Natural Language 
Time-Related Computation 	Geographic Data & Computation 	Scientific and Medical Data & Computation 
Engineering Data & Computation 	Financial Data & Computation 	Social, Cultural & Linguistic Data 
Notebook Documents & Presentations 	User Interface Construction 	System Operation & Setup 
External Interfaces & Connections 	Cloud & Deployment 	

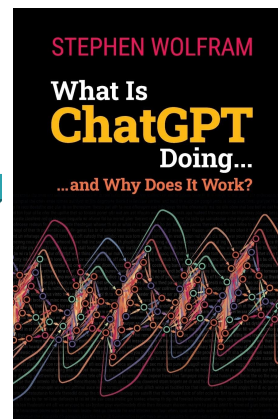
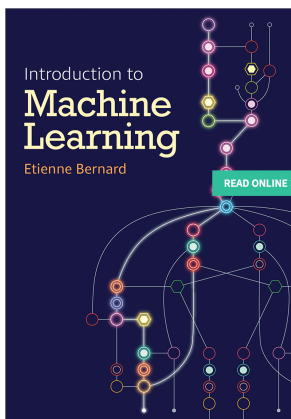
Tópicos do workshop

- Wolfram Language
- Programação funcional
- Ambiente de computação exploratória notebook
- Classificação
- Regressão
- Cluster
- Redes Neurais
- Processamento de imagens
- Computação em nuvem
- Interface interativa
- Gráficos

Referências:

- <https://www.wolfram.com/>
- <https://www.wolframalpha.com/>
- <https://www.wolframcloud.com/>
- <https://www.wolfram.com/wolfram-u/>
- <https://www.wolfram.com/notebooks/>
- <https://reference.wolfram.com/language/>
- <https://blog.wolfram.com/>

Livros online:



- An Elementary Introduction to the Wolfram Language
<https://www.wolfram.com/language/elementary-introduction/2nd-ed/>
- Introduction to Machine Learning
<https://www.wolfram.com/language/introduction-machine-learning/>
- What Is ChatGPT Doing ... and Why Does It Work?
<https://writings.stephenwolfram.com/2023/02/what-is-chatgpt-doing-and-why-does-it-work/>