# Deep Learning Fundamentals

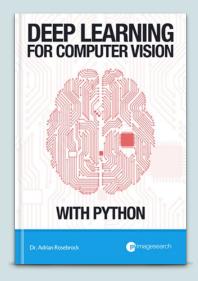
**Big-Picture** 

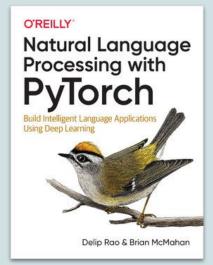
ivanovitch.silva@ufrn.br @ivanovitchm

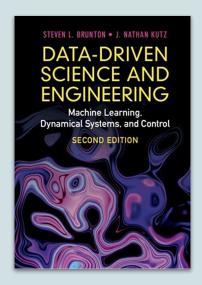


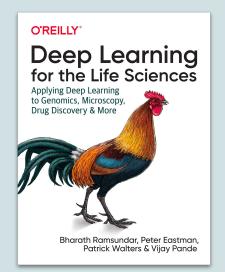


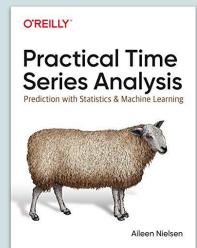


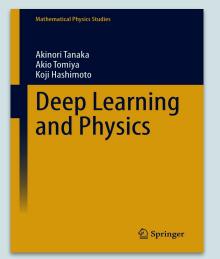










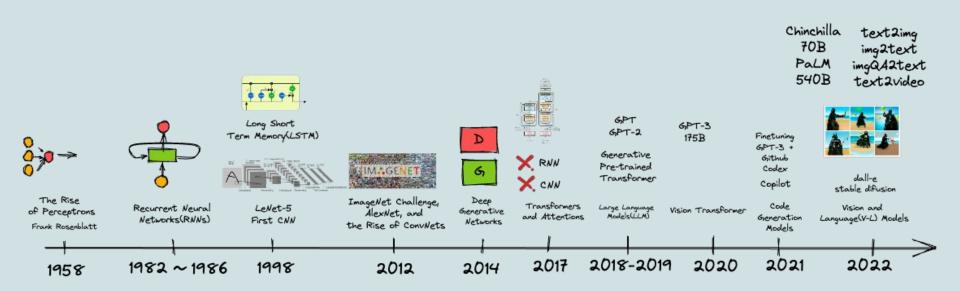




+3 Decades of theory



Humans can explain simple things in really complicated ways





### GitHub Copilot V1.46.6822

4

2,401,856



Your Al pair programmer

Disable 🗸

GitHub

Uninstall |



This extension is enabled globally.

**Details** 

**Feature Contributions** 

Changelog

**Runtime Status** 

GitHub Copilot Subscription Required

## GitHub Copilot

GitHub Copilot uses OpenAl Codex to suggest code and entire functions in real-time right from your editor. Trained or billions of lines of public code, GitHu Copilot turns natural language prompts

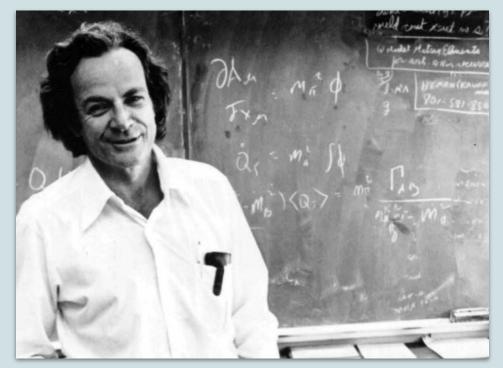
Categories

Other

Extension Resources

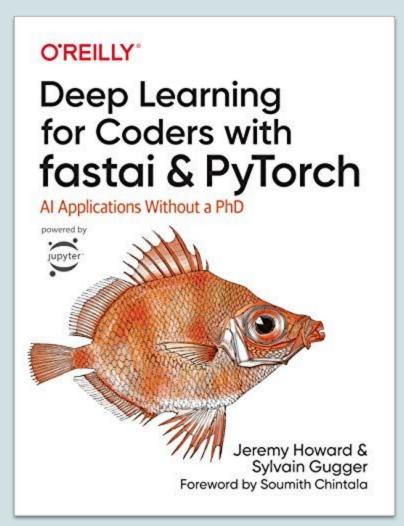
Marketplace GitHub





Richard P. Feynman

"What I cannot create, I do not understand."



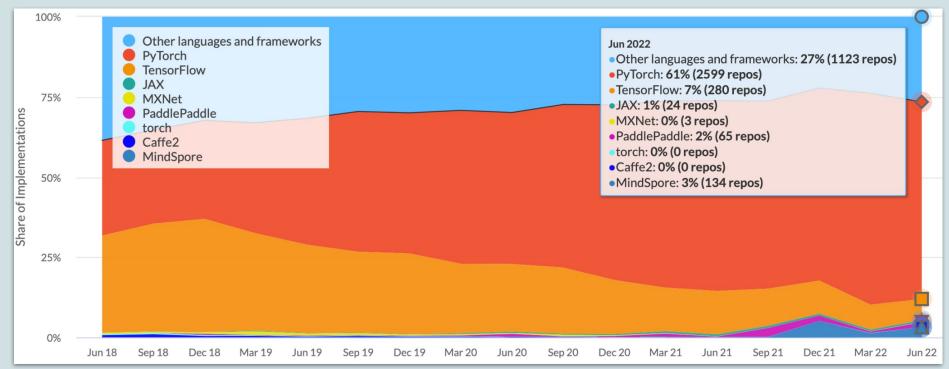
Teaching the whole game

Always teaching through examples

Simplifying as much as possible

Remove barriers (everyone can play)







## **Deep Learning** with PyTorch Step-by-Step A Beginner's Guide



### Versión en Español!

**Volumen I: Fundamentos** 

¡Comprar Ahora!



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Bundle



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Paperback

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**Volume II: Computer Vision** 

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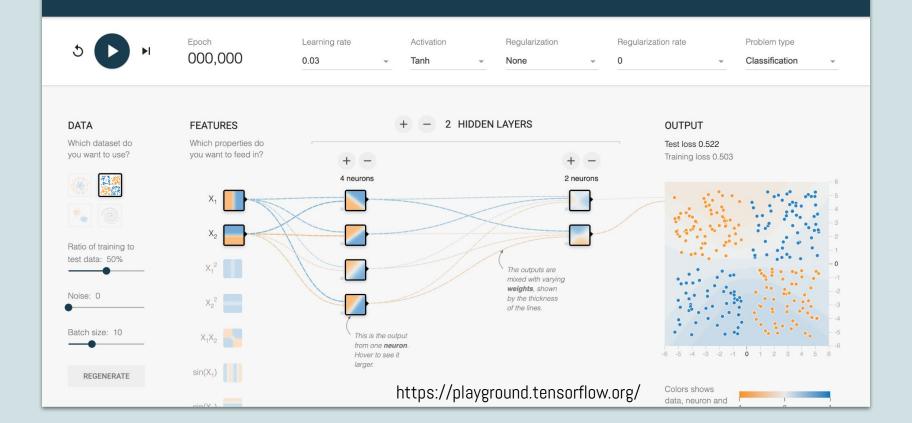


#### Volume III: Sequences&NLP

Paperback



# Tinker With a **Neural Network** Right Here in Your Browser. Don't Worry, You Can't Break It. We Promise.







# Weights & Biases

https://wandb.ai/