

The background features a silhouette of a person's head in profile, facing right. The interior of the head is filled with a dense, colorful collage of digital icons, charts, and data visualizations, including bar graphs, line charts, pie charts, and various symbols representing technology and data science. The overall color palette is dominated by teal and blue tones.

IGTI

Bootcamp - Analista de Machine Learning

Primeira Aula Interativa

PROF. Túlio Philipe Vieira



1ª Aula Interativa

PROF. Túlio Philipe Vieira



Nesta aula

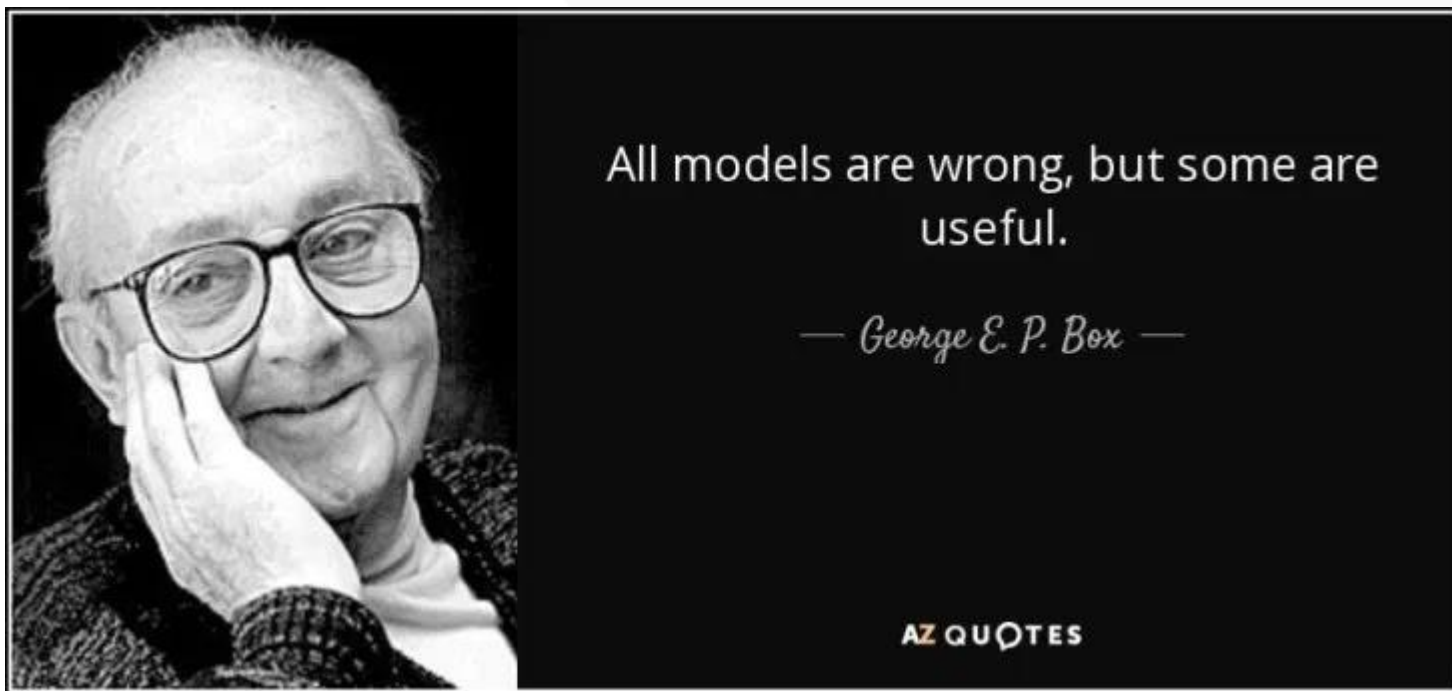
1 Apresentação.

2 Dúvidas.

3 Trabalho Prático.



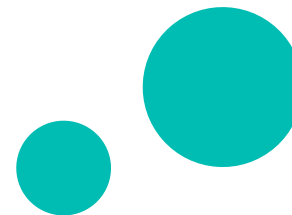
Apresentação



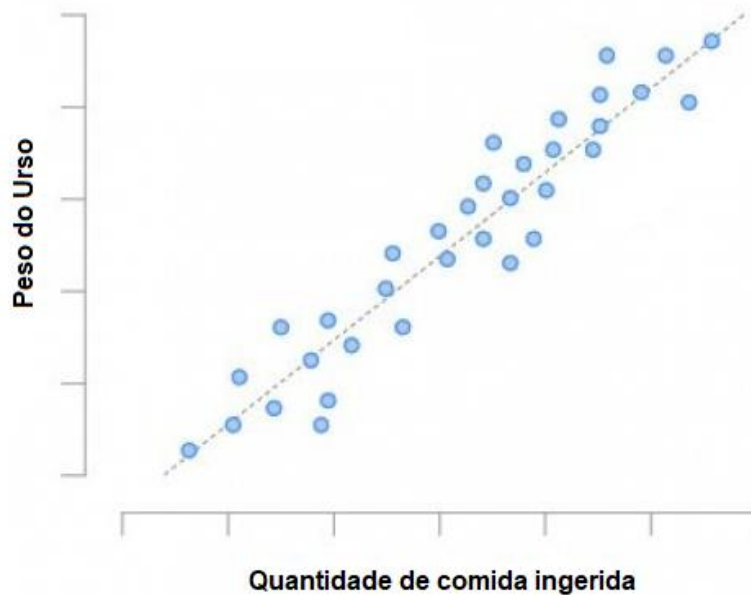


Apresentação

- Engenheiro de controle e automação pela UFMG, 2014
- Especialista em engenharia da qualidade pela PUC-MG, 2016;
- Mestre em Modelagem Matemática Computacional pelo CEFET-MG, 2017;
- Doutorando em Modelagem Matemática Computacional pelo CEFET-MG, previsão 2022.

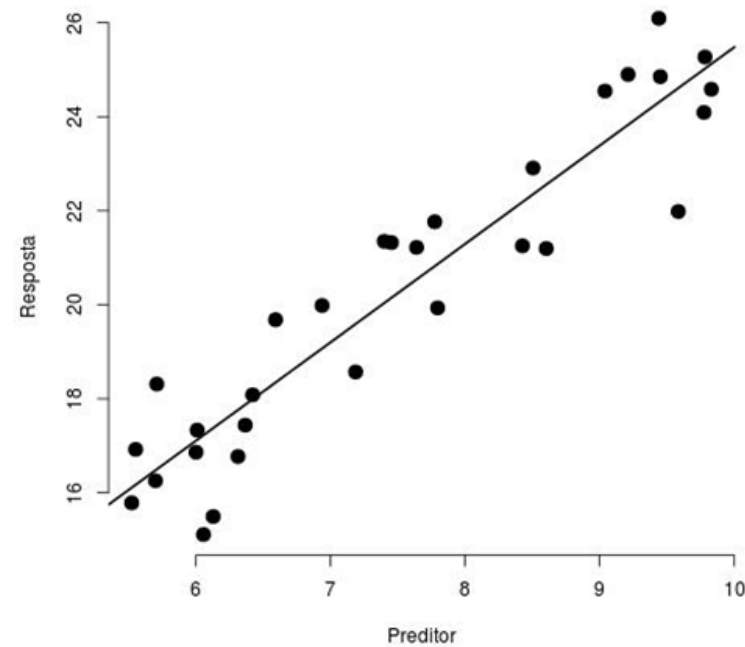
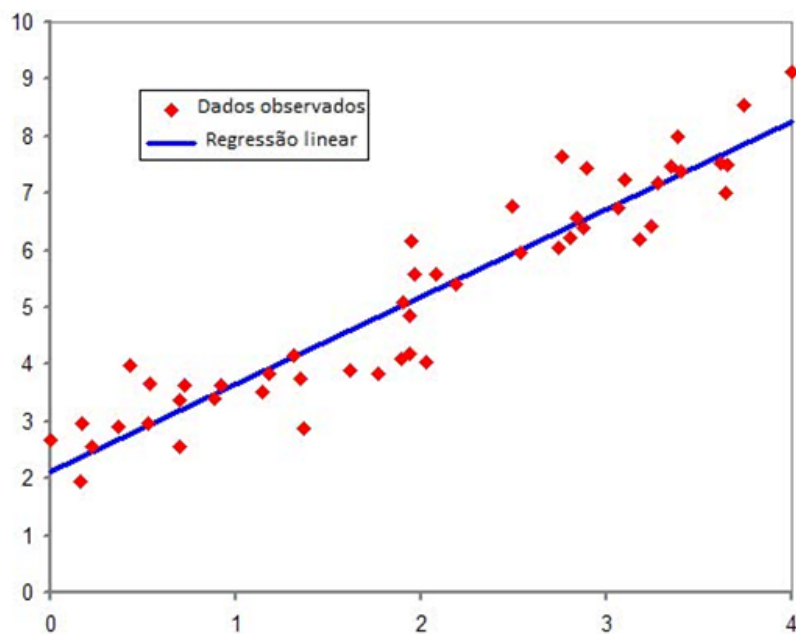
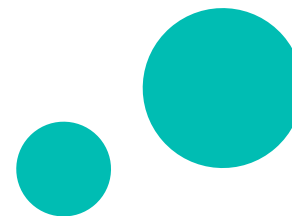


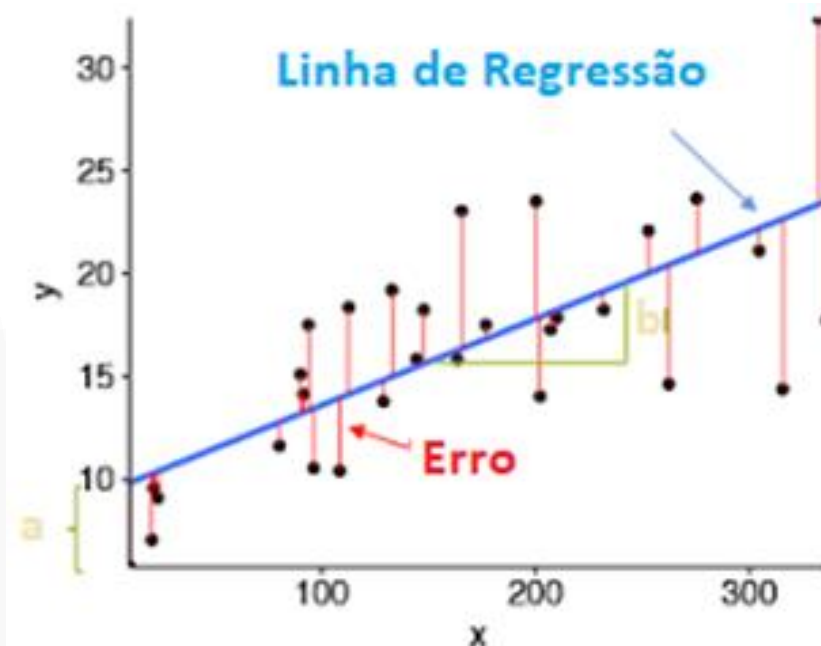
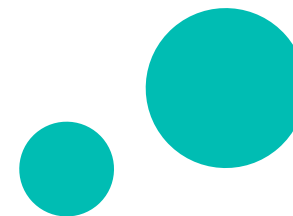
Regressão



Classificação



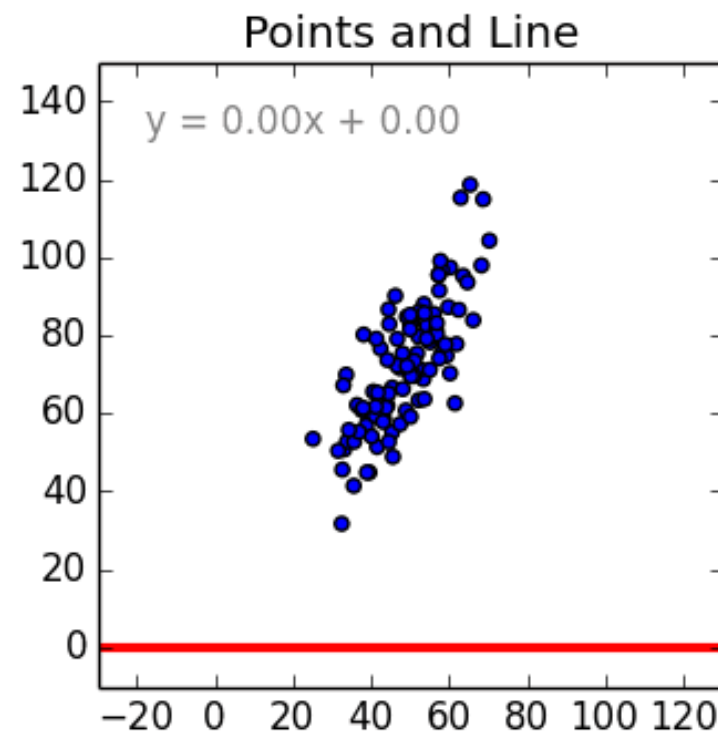
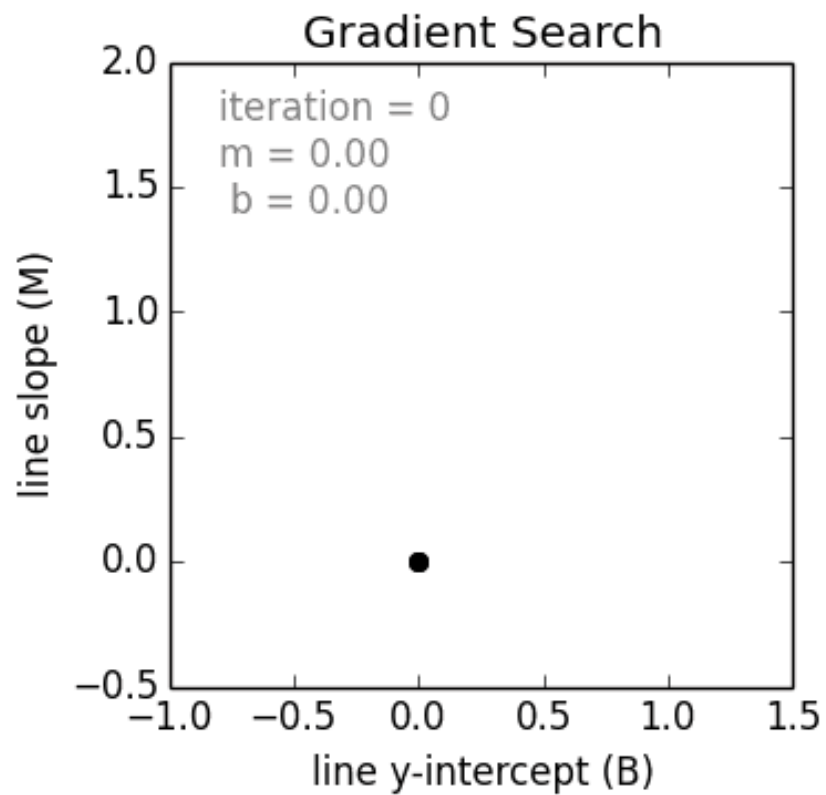
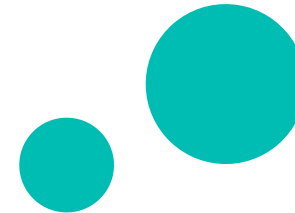


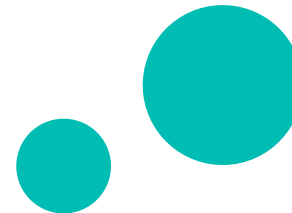


$$Y = ax + b$$

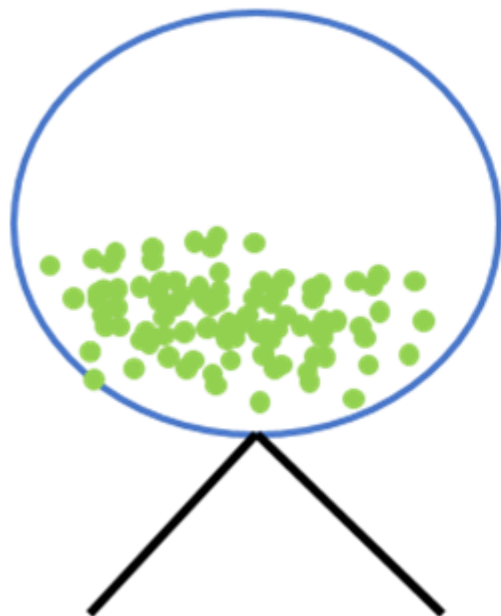
$$Erro = Y - Y'$$

$$MSE = \frac{1}{n} \sum (Y_i - Y'_i)^2$$

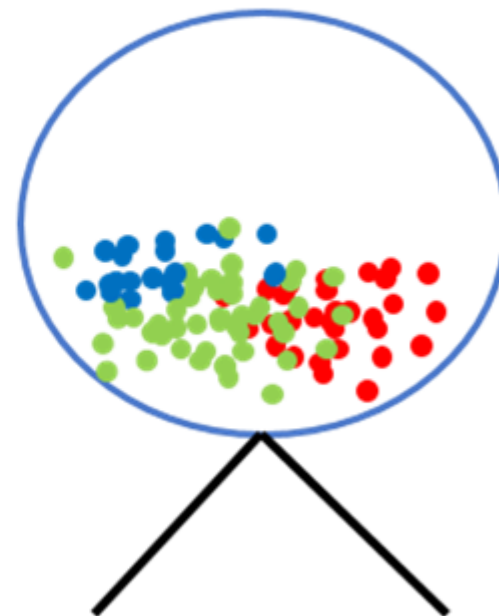


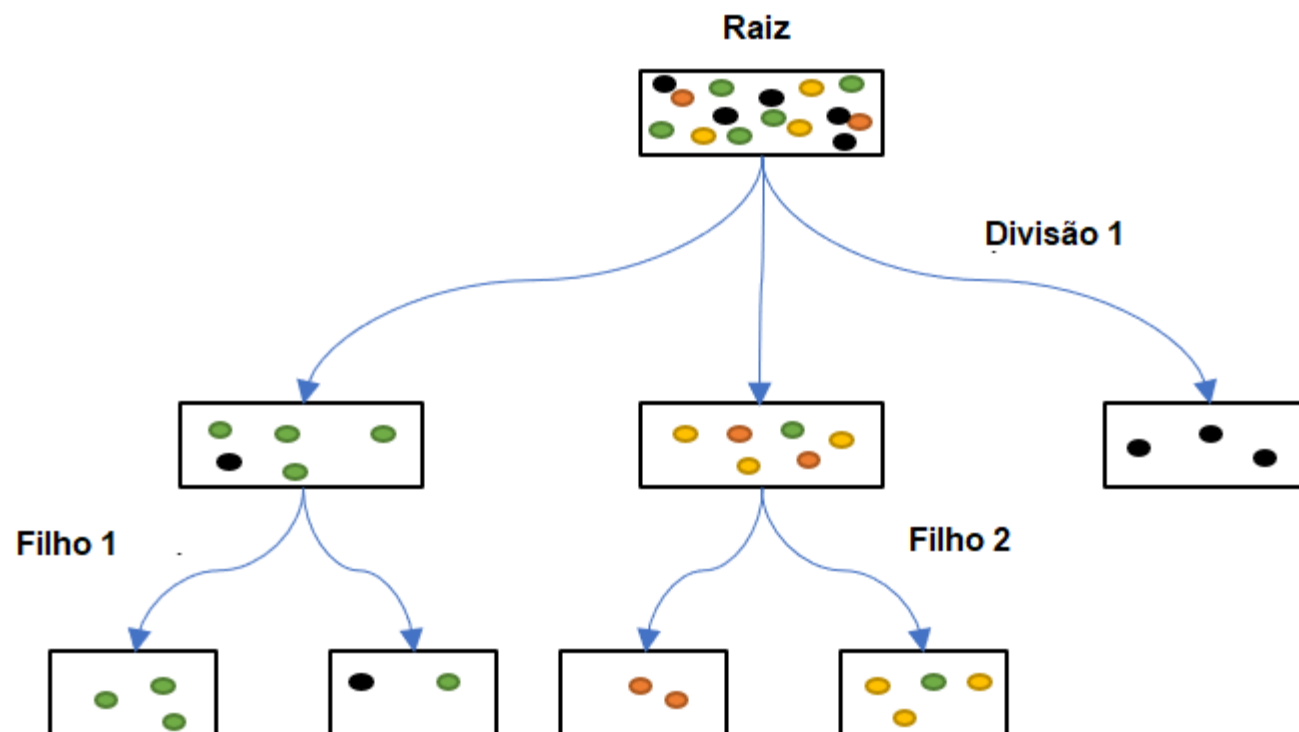
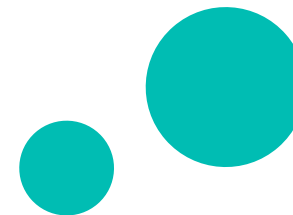


Totalmente Puro

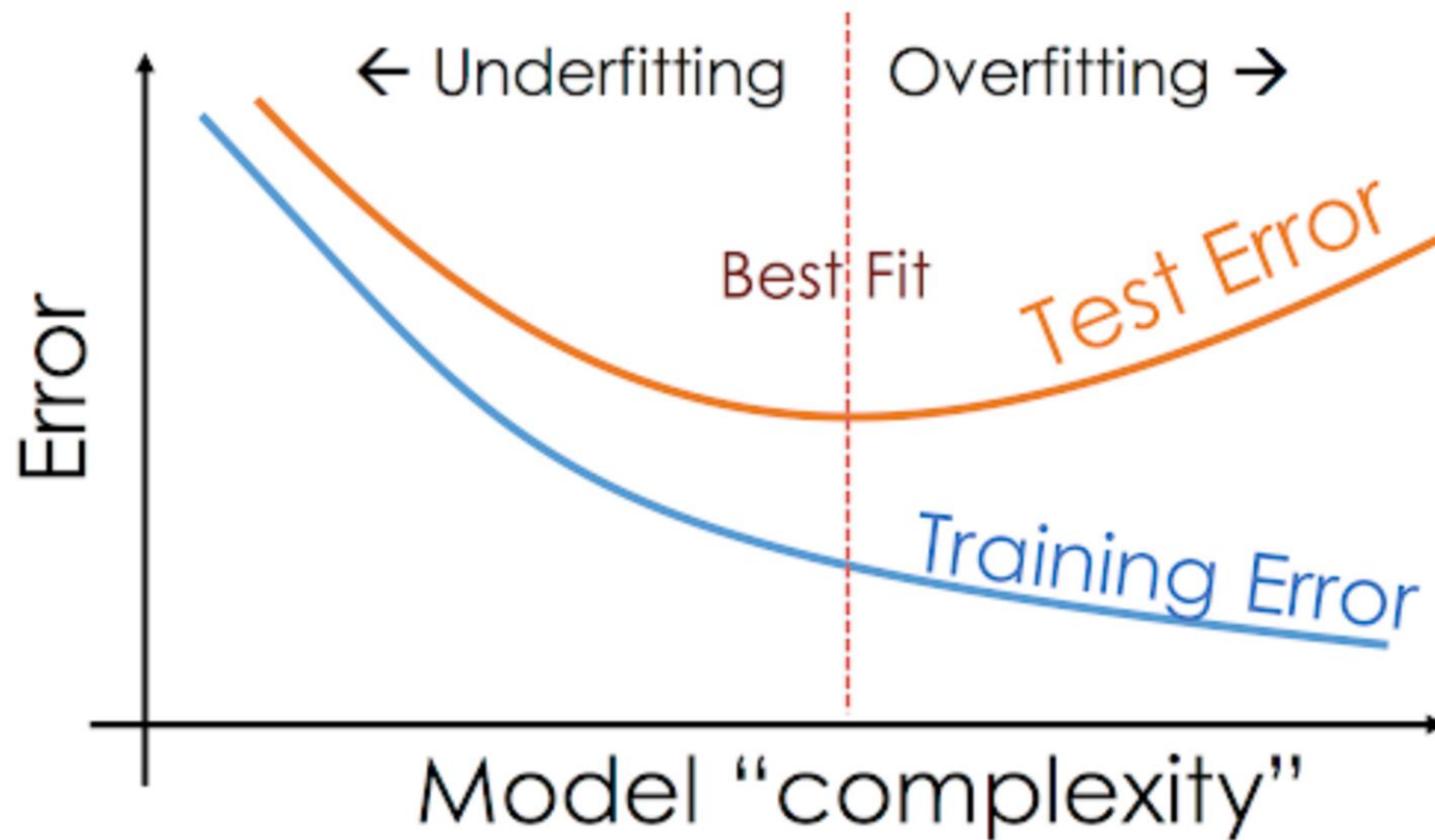


Mais Impuro



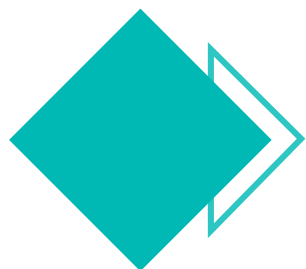


Dúvidas: Overfitting

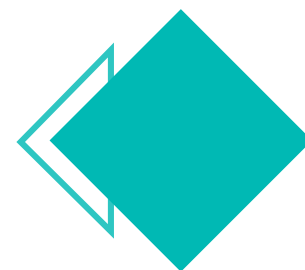
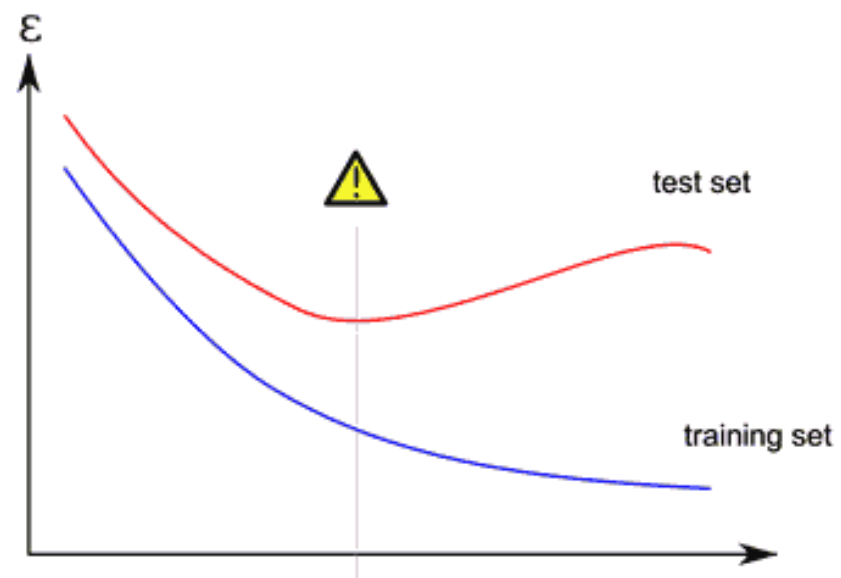


iGTi

Exemplo

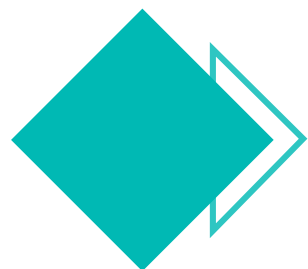


colab

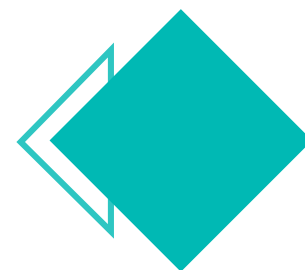


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Trabalho Prático



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Na Aula de Hoje

1 Dúvidas.

2 Trabalho Prático.



Na Aula de Hoje

1 Dúvidas.

2 Desafio.