

K-nearest neighbor (KNN)

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Aprendizado de máquina

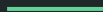
O *machine learning* desenvolve modelos para resolver problemas complexos, principalmente de classificação e filtragem de dados.

Baseia-se em um conjunto pré-definido com o qual a máquina é treinada.

Classificar elementos

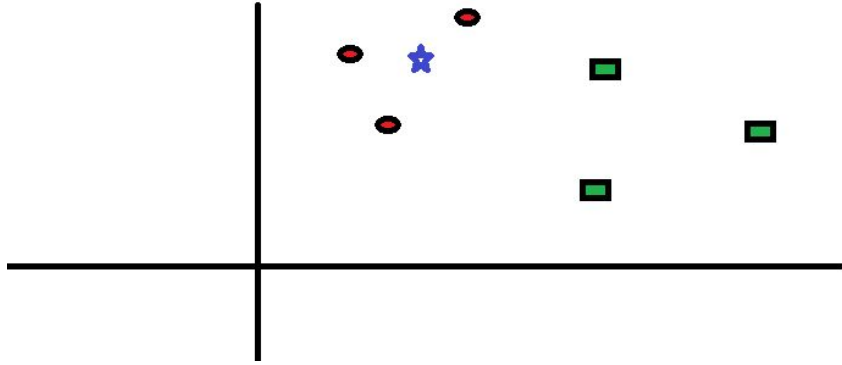
Treinar a máquina com um
banco de dados numérico

Calcular qual a categoria
mais provável de um
elemento externo

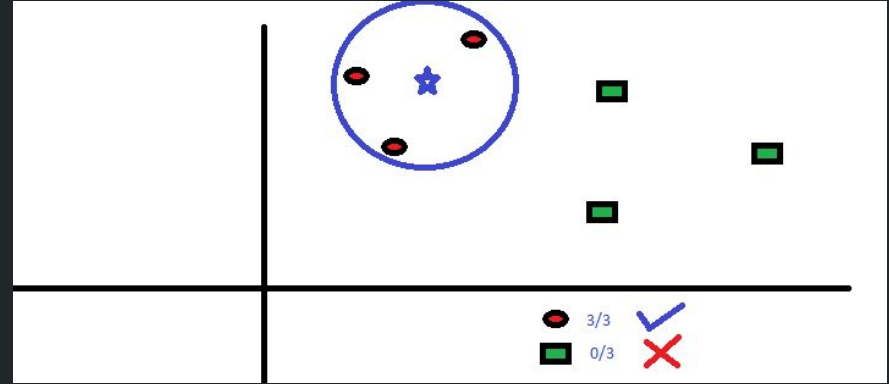


KNN

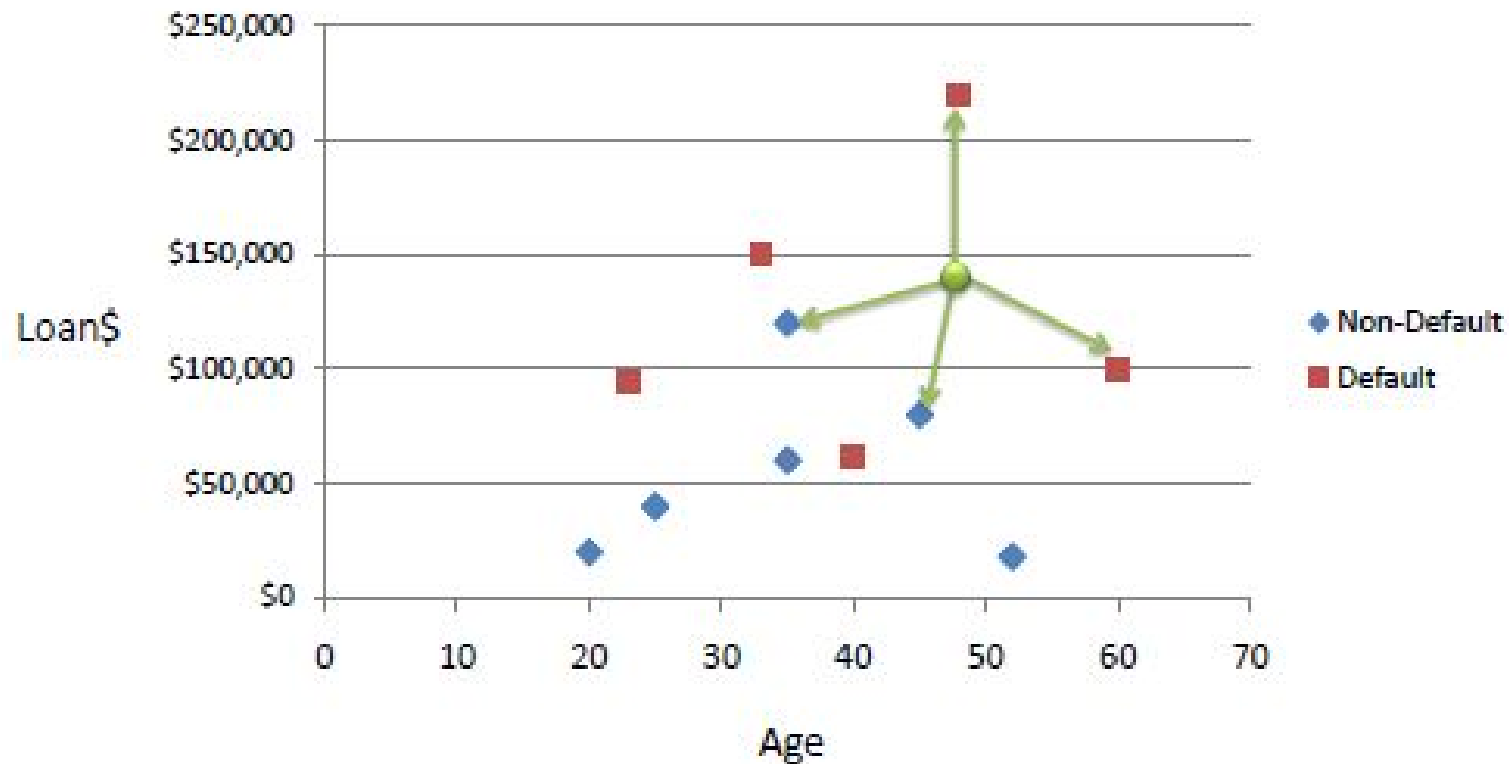
Como usar a distância euclidiana na resolução de um problema?



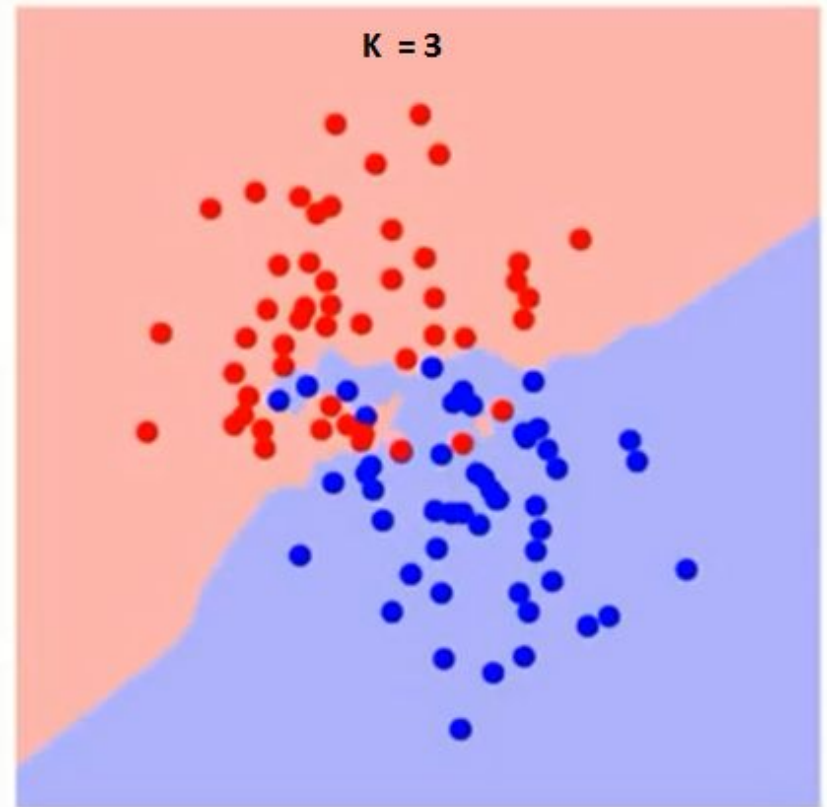
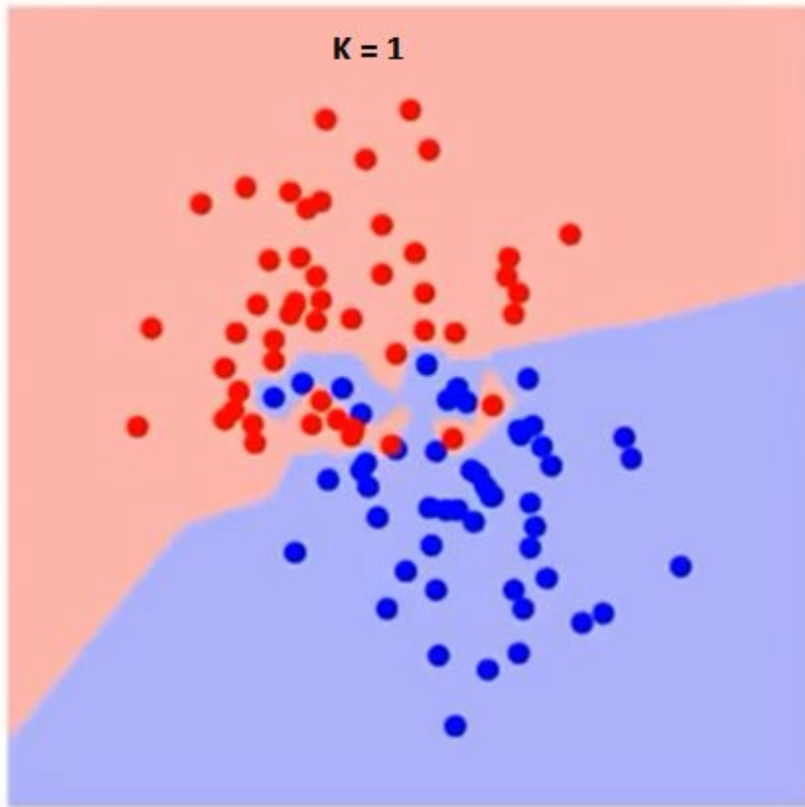
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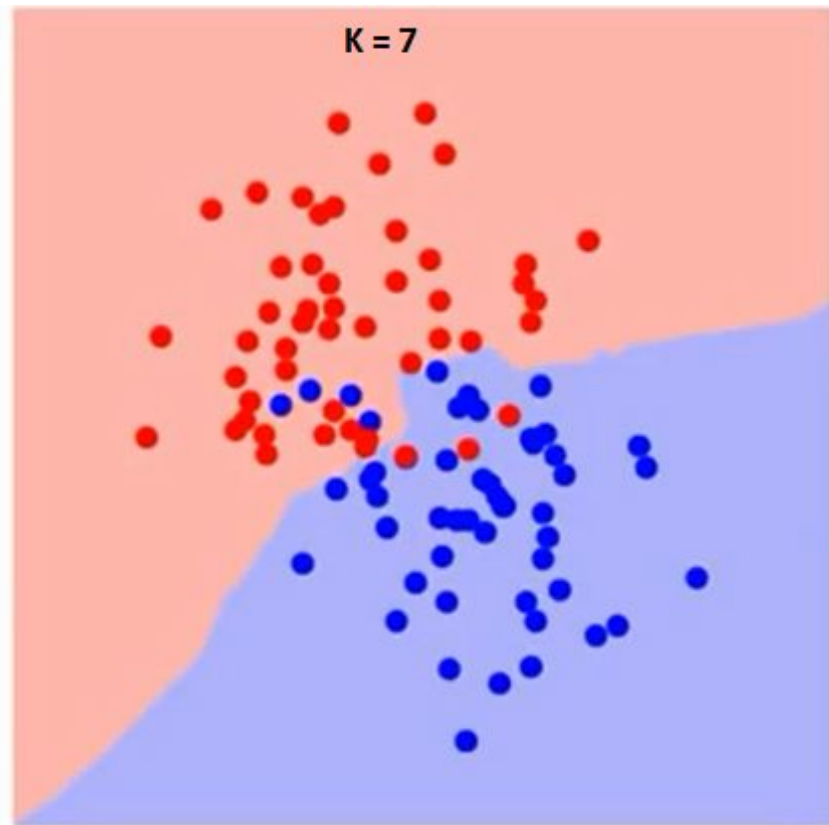
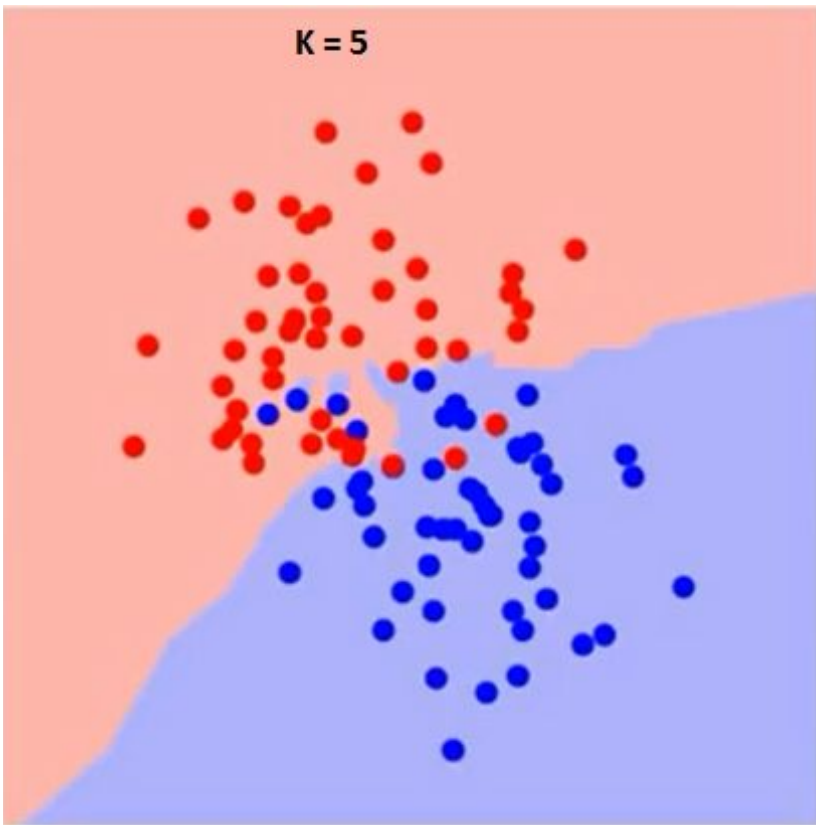
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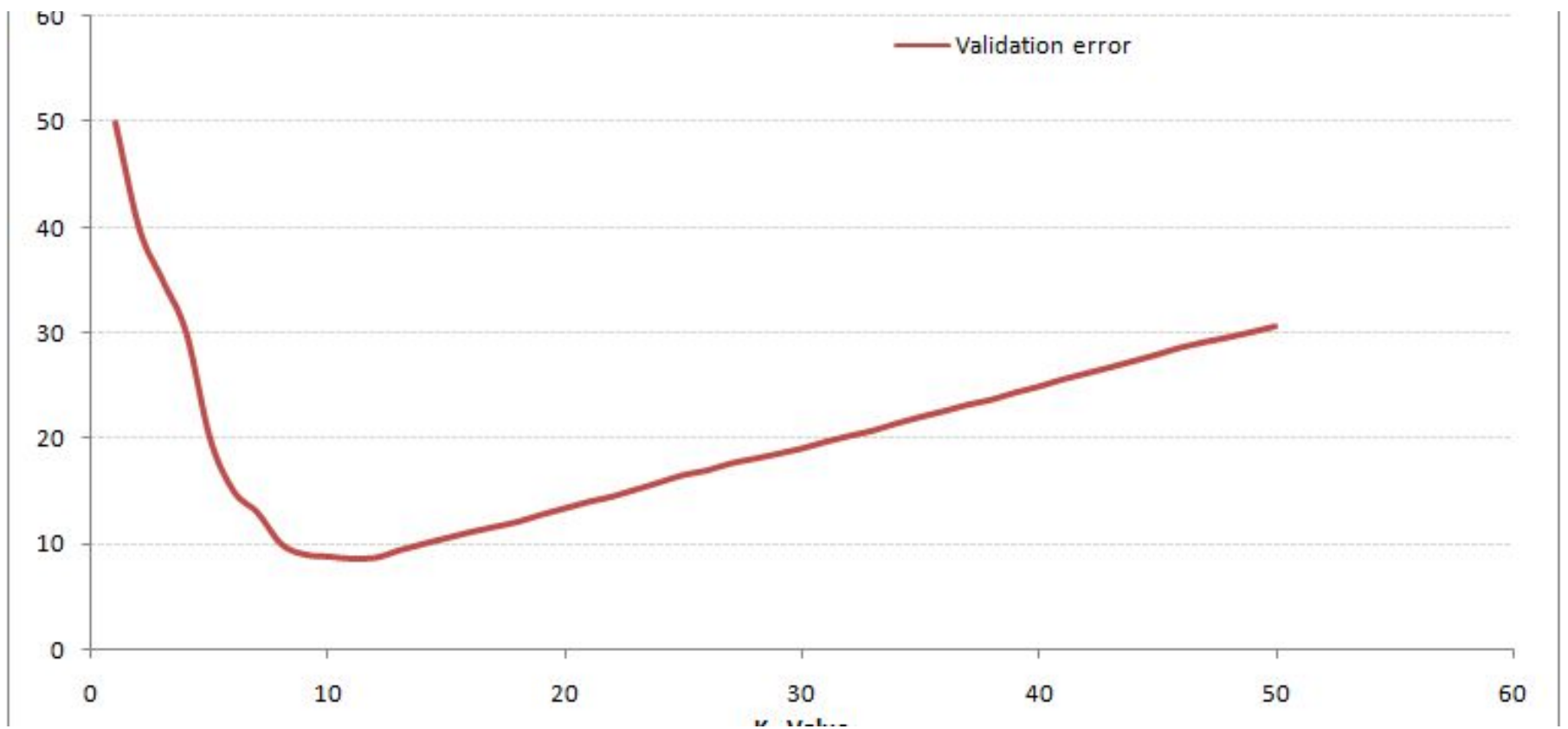
http://www.saedsayad.com/images/KNN_example_1.png



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