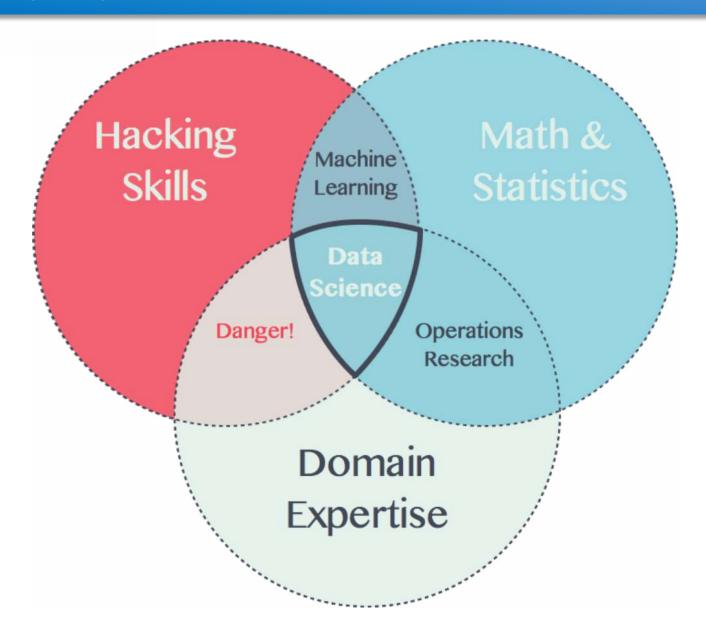
Aprendizado de Máquinas

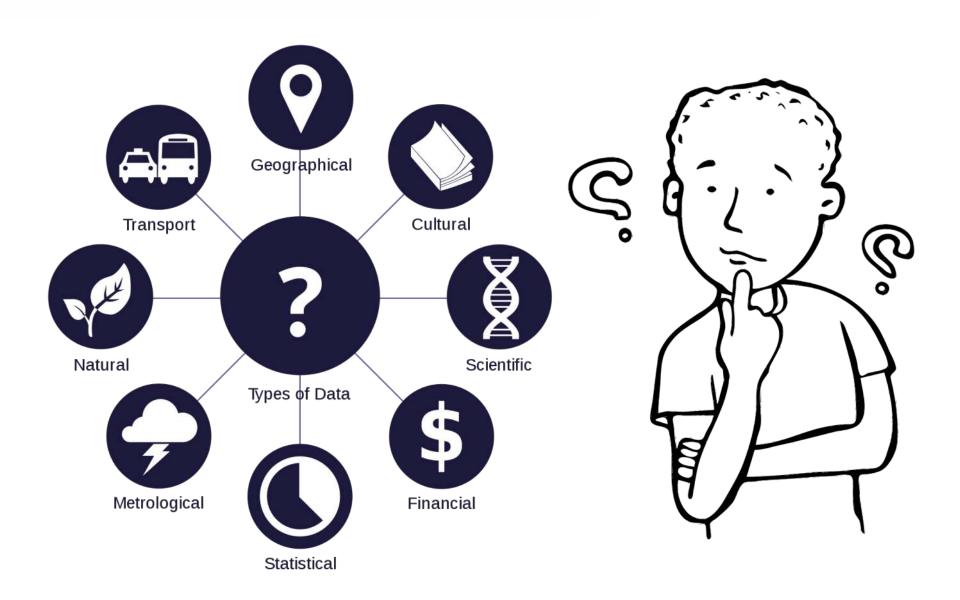
Marcelo Vinícius Cysneiros Aragão marcelovca90@inatel.br
Av. João de Camargo, 510
Santa Rita do Sapucai - MG
Tel: (35) 3471-9279

Fev 2018

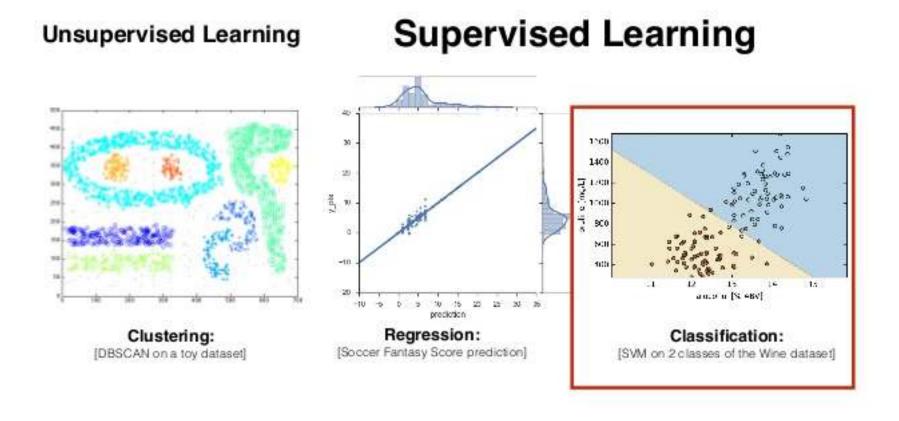
Panorama



Tenho os dados, e agora?

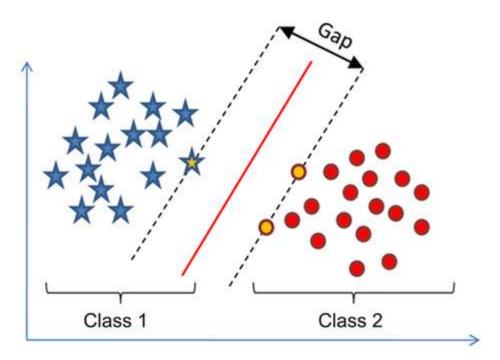


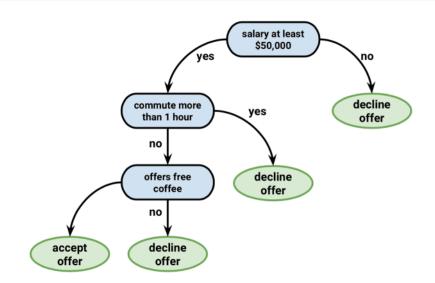
Tipos de aprendizado

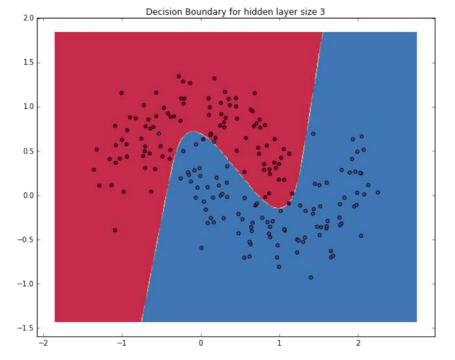


Principais algoritmos

- Classificação:
 - ✓ Redes Neurais Atificiais
 - ✓ Máquinas de Vetores de Suporte
 - √ Árvores de Decisão



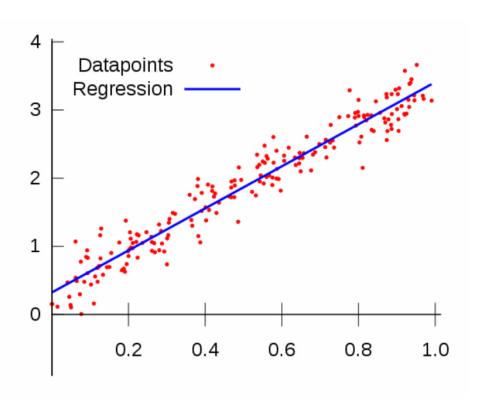


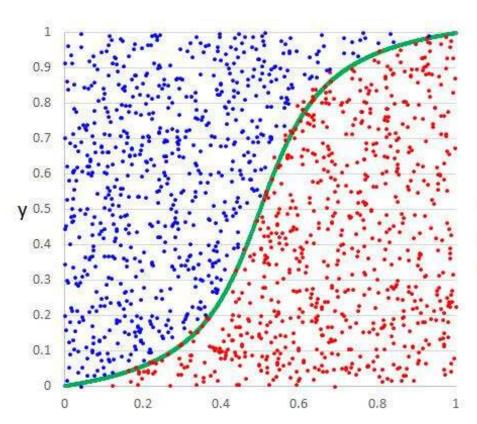


Principais algoritmos

Regressão:

- ✓ Regressão Linear
- ✓ Regressão Logística

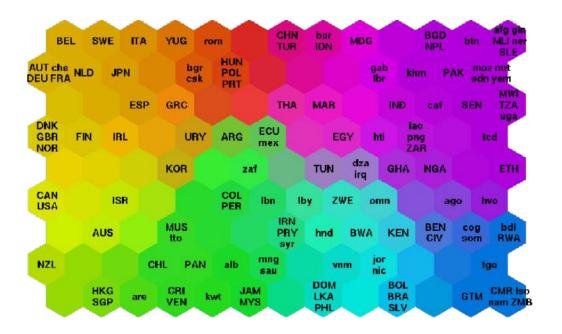


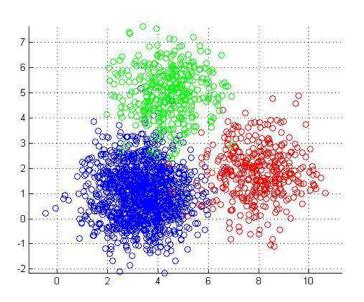


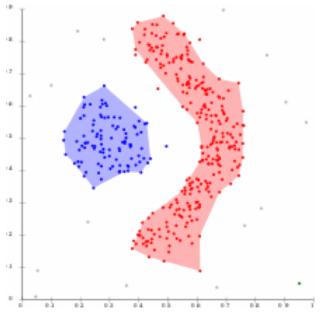
Principais algoritmos

> Agrupamento:

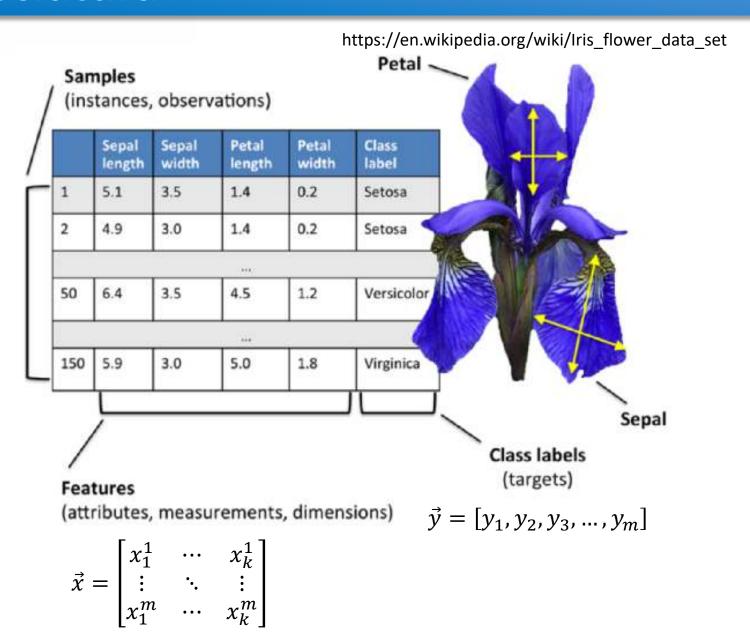
- ✓ K-Means
- ✓ Mapas Auto-Organizáveis
- ✓ DBSCAN / OPTICS







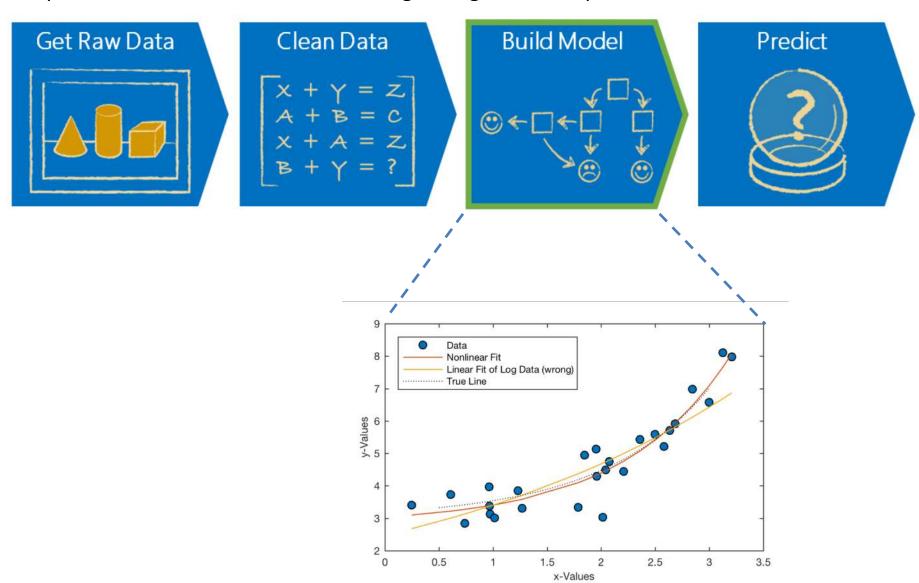
Nomeclatura



http://www.bogotobogo.com/python/scikit-learn/images/features/iris-data-set.png

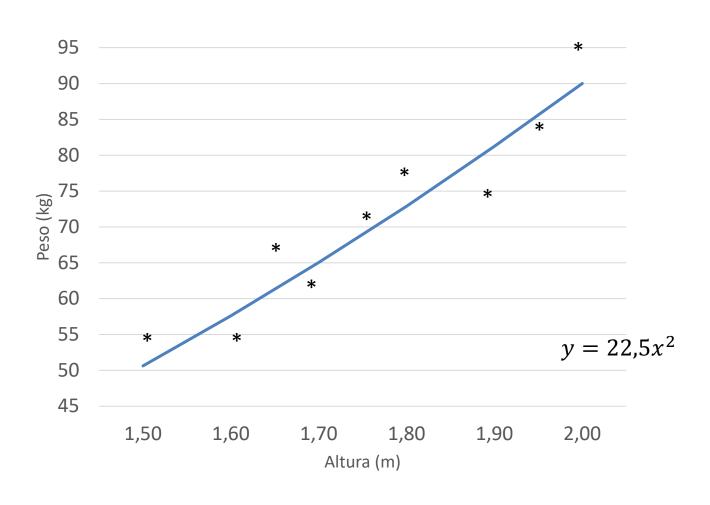
Procedimento

http://oliviaklose.com/machine-learning-11-algorithms-explained/

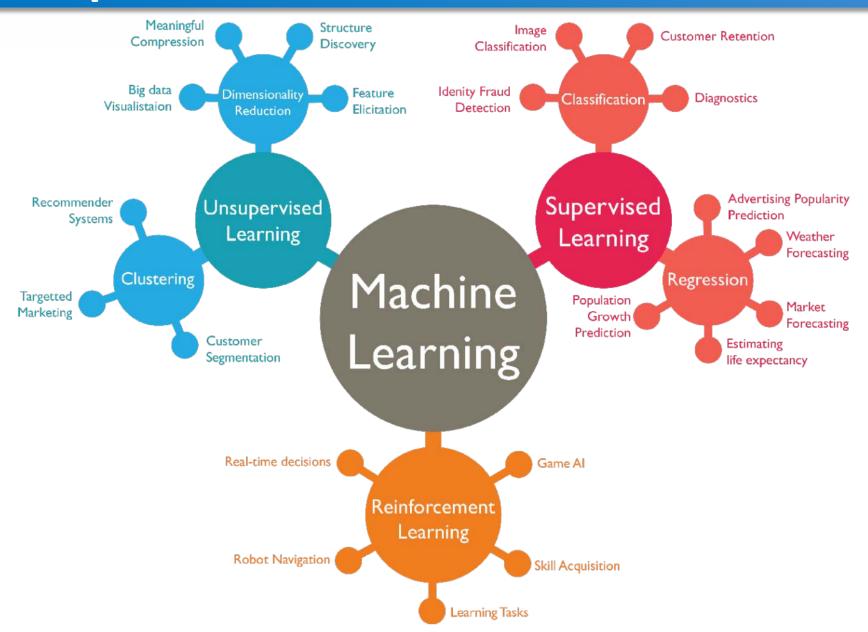


Objetivo do aprendizado

> Obter o modelo matemático que representa o problema



Exemplo







FIM

Marcelo Vinícius C. Aragão marcelovca90@inatel.br

