

Artificial intelligence



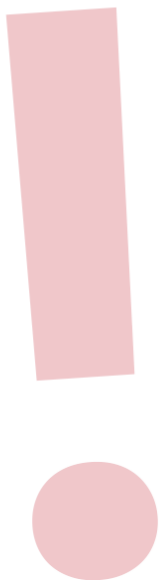
Machine Learning

Machine Learning is everywhere at Google



Confidential & Proprietary

- اتوموبیل های خودران
- تبلیغات
- ... دستیار شخصی (سیری ، کورتانا و
- (الگوریتم های فیلترینگ (نیوز فیدها
- سیستم های نظارتی
- کمپین های سیاسی
- تصمیم گیری تجاری



artificial intelligence warnings

In this course :

Basic :

- Statistics

Preprocessing

Supervised Learning

- Classification
 - KNN
 - Decision Tree
 - Logistic regression
- Regression
 - linear regression
 - regularized regression

Unsupervised learning

- Clustering
 - Kmeans
 - hierarchical
 - Meanshift
 - DBSCAN

Dimensity reduction

- PCA
- NMF

Jupyter

The Jupyter Notebook is an open-source web application that allows you to create and share documents that contain live code, equations, visualizations and explanatory text. Uses include: data cleaning and transformation, numerical simulation, statistical modeling, machine learning and much more.

[jupyter.org \(http://jupyter.org/\)](http://jupyter.org/)

Install Anaconda!

[anaconda.com \(https://www.anaconda.com/\)](https://www.anaconda.com/)

