Welcome to Our Channel



Artificial Intelligence

Al2YOU Channel

Syllabus

Part 1

Introduction

Part 2

Supervised Learning Algorithms

Part 3

Unsupervised Learning Algorithms



NumPy

Pandas

Matplotlib

Seaborn





Part 1

Polynomial Linear Regression Gradient Descent(GD) Regression Overfit&Underfit, **Logistic Regression Data Cleaning** Bias&Variance **K-Nearest Naive Bayes Classifier** Regularization **Neighbors(KNN) Support Vector Random Forest(RF) Decision Trees(DT)** Machines(SVM)

Part 2



K-Means clustering

Part 3

Principal Component Analysis(PCA)

DBSCAN

Hierarchical Clustering





Frameworks

Data Preprocessing

Pandas

Machine Learning

scikit-learn

Visualization

Matplotlib

seaborn

plotly





What is Artificial Intelligence?

به طرتلنیکی که کامپیوترها یا ماشین ها را قادری سازد تا ما نندانسانی دفتار کند. هوش ممنوعی می کویند.



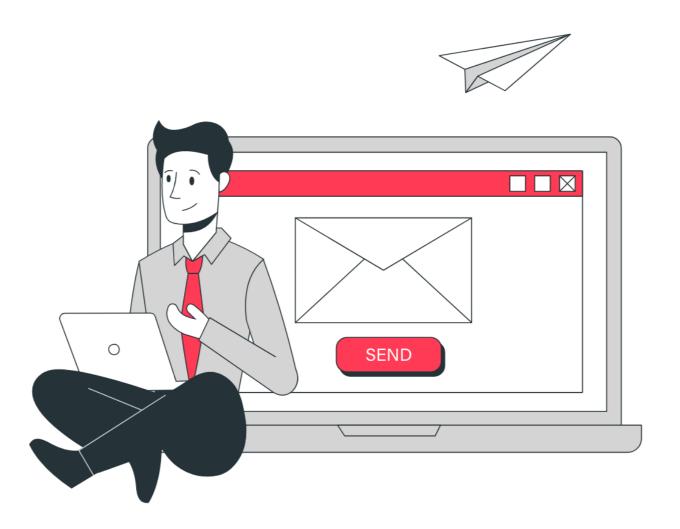


What is Machine Learning?

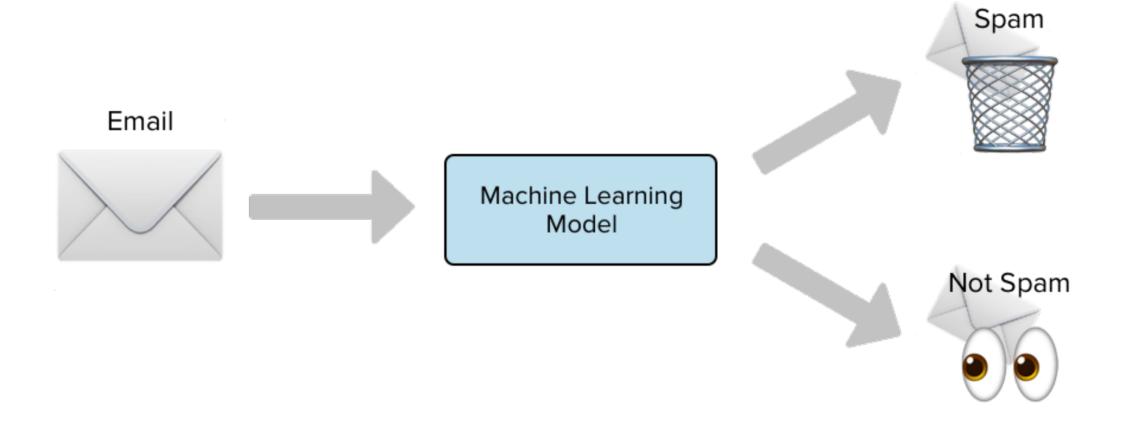
یادلیری ماشین نیر مجبوعه عوش معنوی ست که به کامپرترها یا ماشین عا این قابلیت را عادعه تابعن برنامه ریزی مشقع یاد بکیرند.



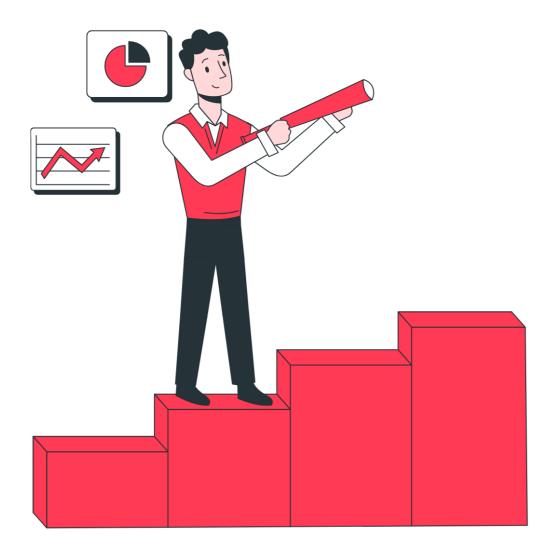
Machine Learning Examples





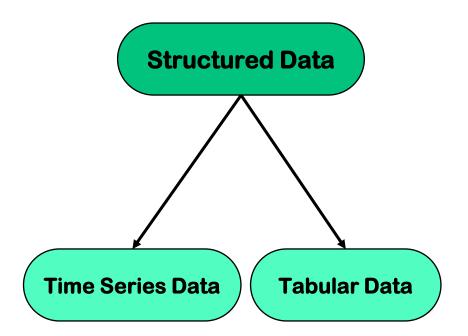


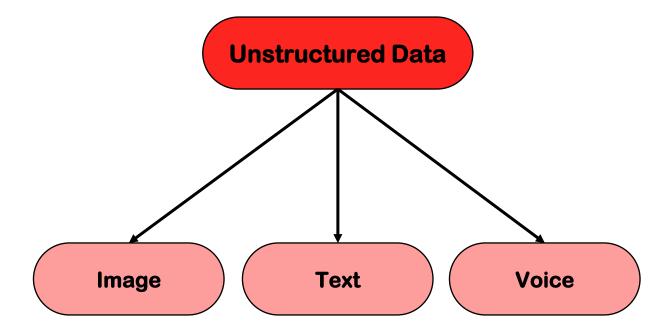
Machine Learning Examples



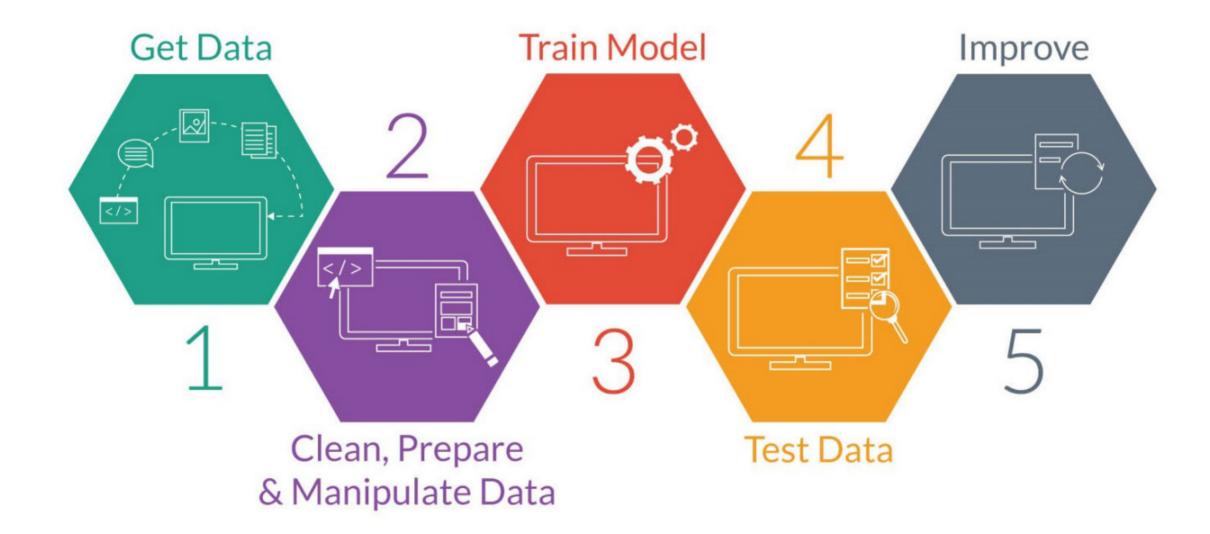


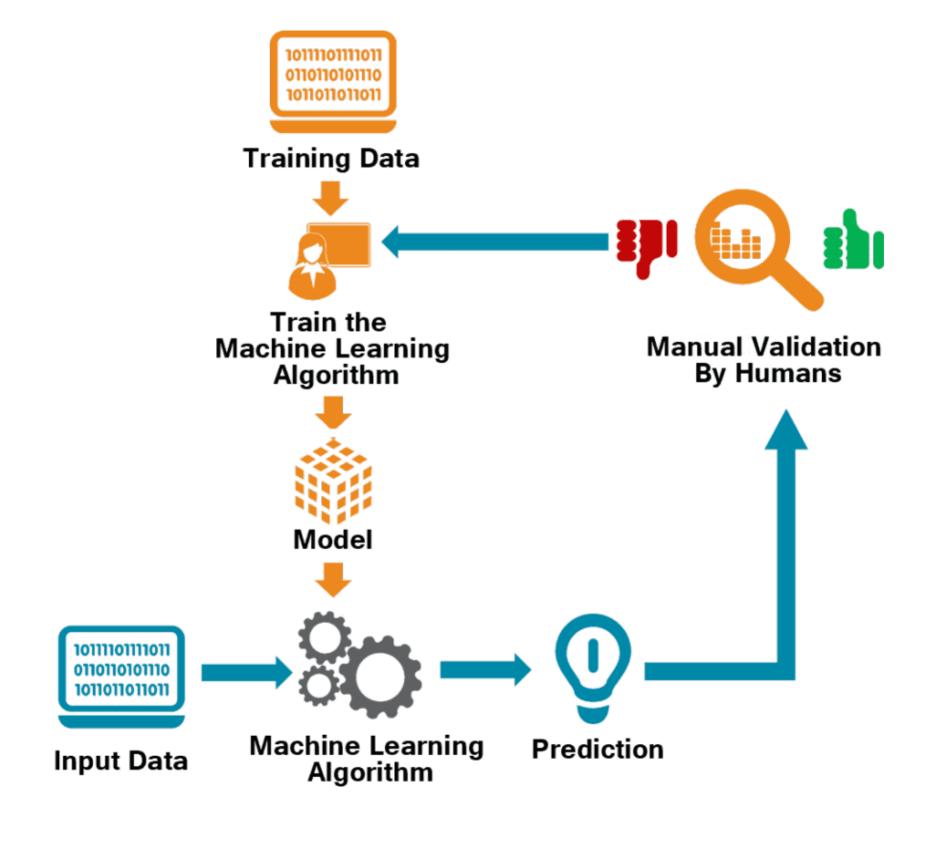
Data types











Dataset

_	Size(m²)	#bedrooms	#floors	Age	Price
	2104	5	1	45	460
	1416	3	2	40	232
Train	1532	3	2	30	315
	852	2	1	36	178
	952	2	1	65	271
	1244	3	1	64	300
	1947	3	2	17	509
	1725	3	2	42	394
Test	1959	3	2	15	540
	1314	2	1	14	415

validation



