Machine Learning 기초 이론부터 Azure ML Studio 사용 실 객기 Machine Learning



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Cognitive Service





Search Faces...









Use your own photo





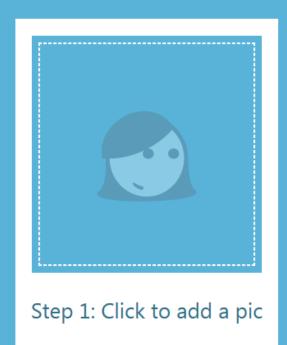


Sorry if we didn't quite get it right - we are still improving this feature.

Try Another Photo!







P.S. We'll only use your photos for the game unless you say we can keep them to improve. <u>Learn more</u>

Find out more about TwinsOrNot.Net

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CelebsLike.Me

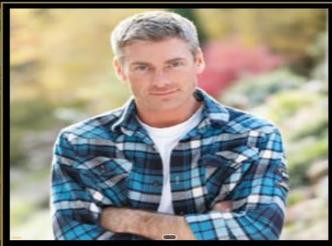
Which celebrity do you look like?



Search the web for faces...











USE YOUR OWN PHOTO

Your photos, but no personal info, may be used to improve matches.







Cognitive Services

https://aka.ms/cognitive





Cognitive Services

Vision	Speech	Language	Knowledge	Search
Computer Vision	Custom Recognition	Bing Spell Check	Academic Knowledge	Bing Web Search
Emotion	Speaker Recognition	Linguistic Analysis	Entity Linking	Bing Image Search
Face	Speech	Language Understanding	Knowledge Exploration	Bing Video Search
Video	Translator	Text Analytics	Recommendations	Bing News Search
		WebLM		Bing Autosuggest



2. Machine Learning







Machine Learning



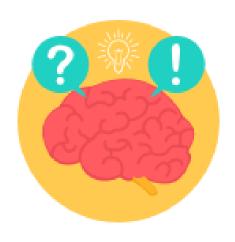
- AlphaGo
- Machine Learning

Machine Learning



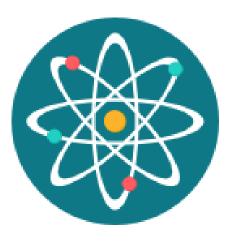


컴퓨터 성능과 뉴럴 네트워크의 시너지 효과



Deep Learning

샐로우 러닝 딥 러닝



Big data

정보의 활용

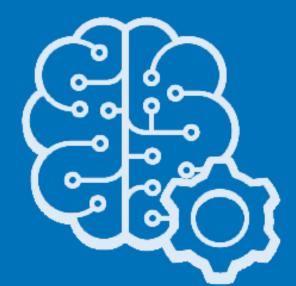


Data mining

Shallow learning

Deep Learning

Neural Network



Intelligence app

Big Data

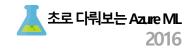
Classification

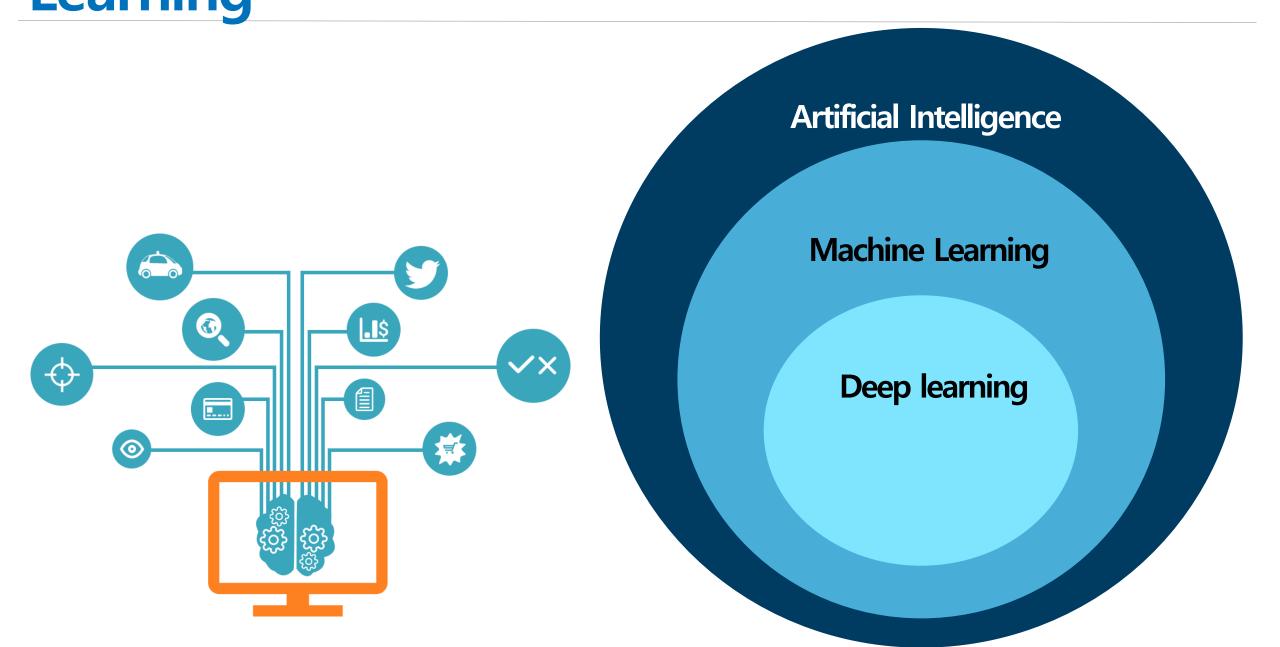
Artificial Intelligence

Machine Learning

Cognitive service

Learning Deep





EXPANDED ARCHIVAL COLLECTION

Music From the Motion Picture

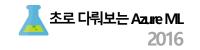


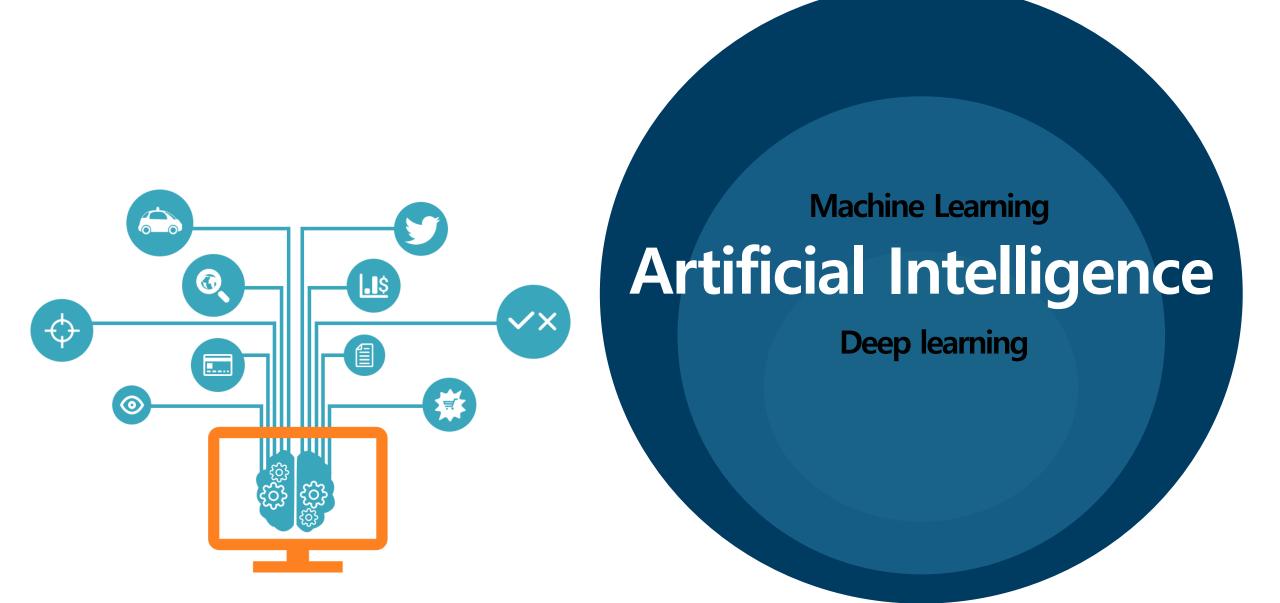
ARTIFICIAL INTELLIGENCE

Music Composed and Conducted by John Williams

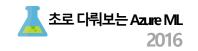
Artificial Intelligence

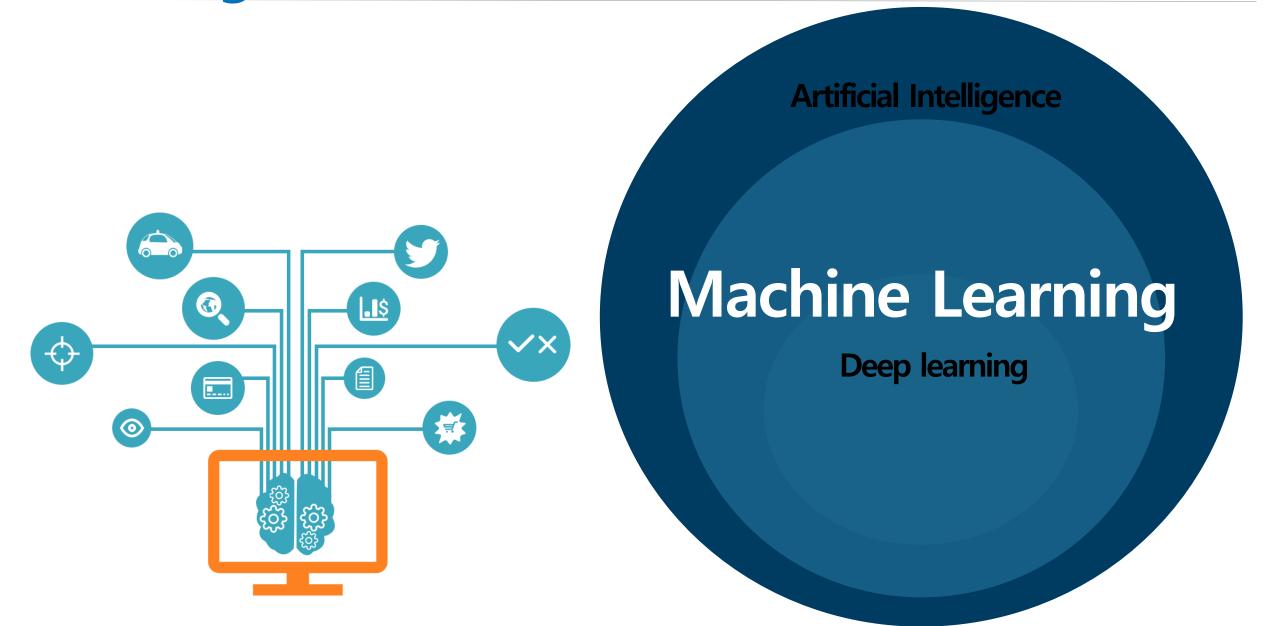
Learning Deep



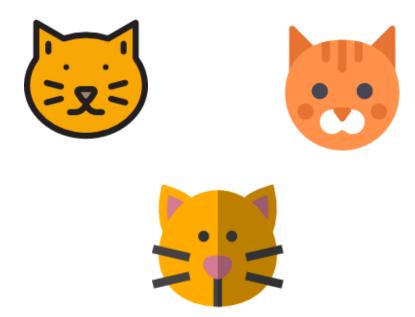


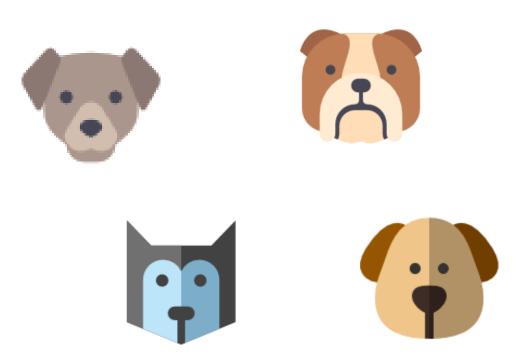
Learning beep



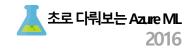


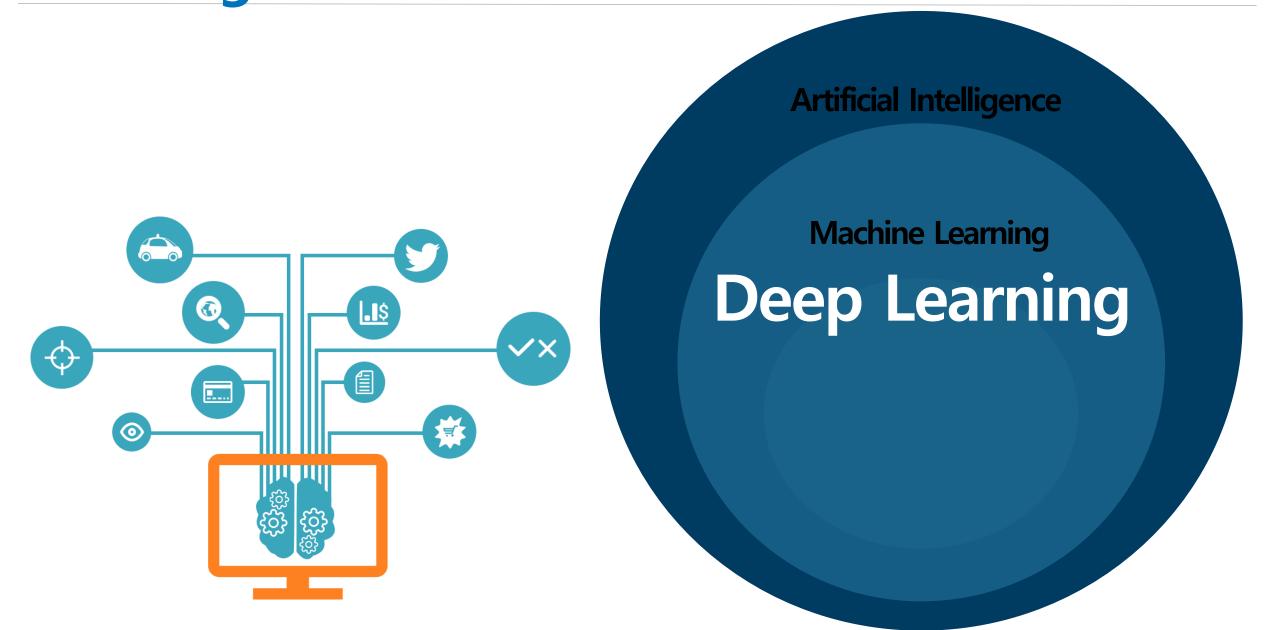
Machine Learning



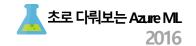


Learning Deep Learning



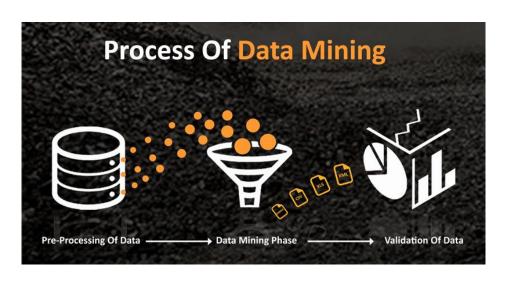


Data mining



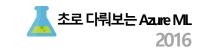








Data Mining



Data mining vs machine Learning

Data mining

WHAT

Machine Learning

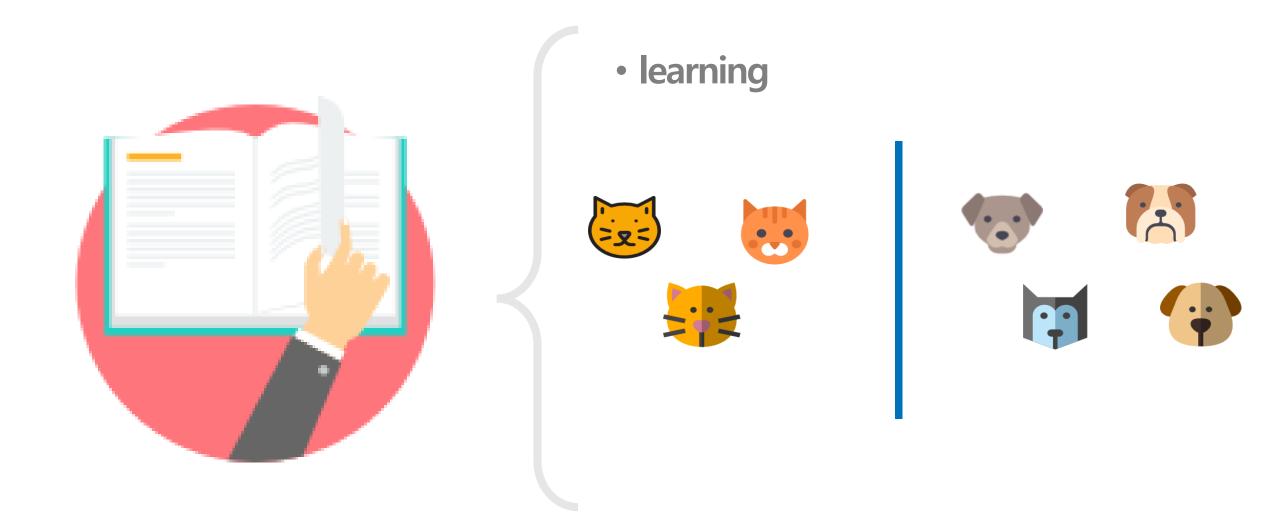
HOW



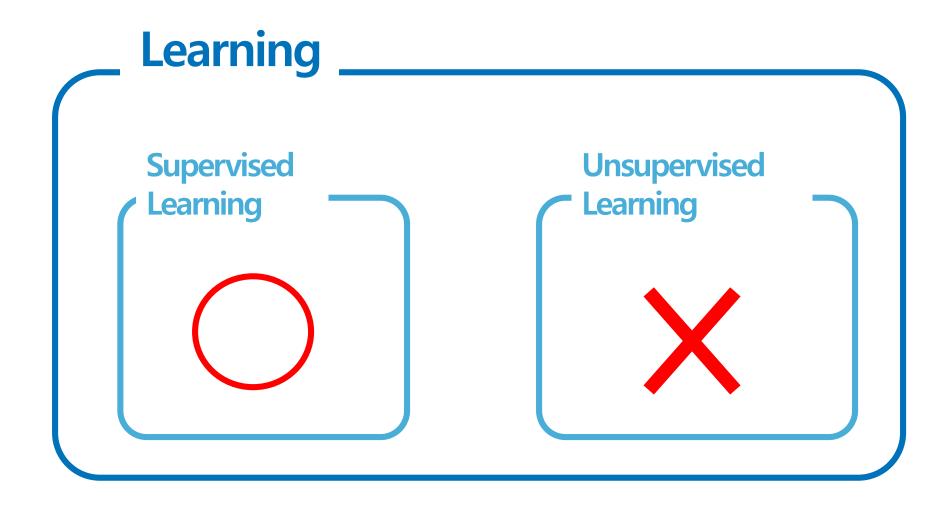
What is Learning?



What is Learning?



What is Learning?









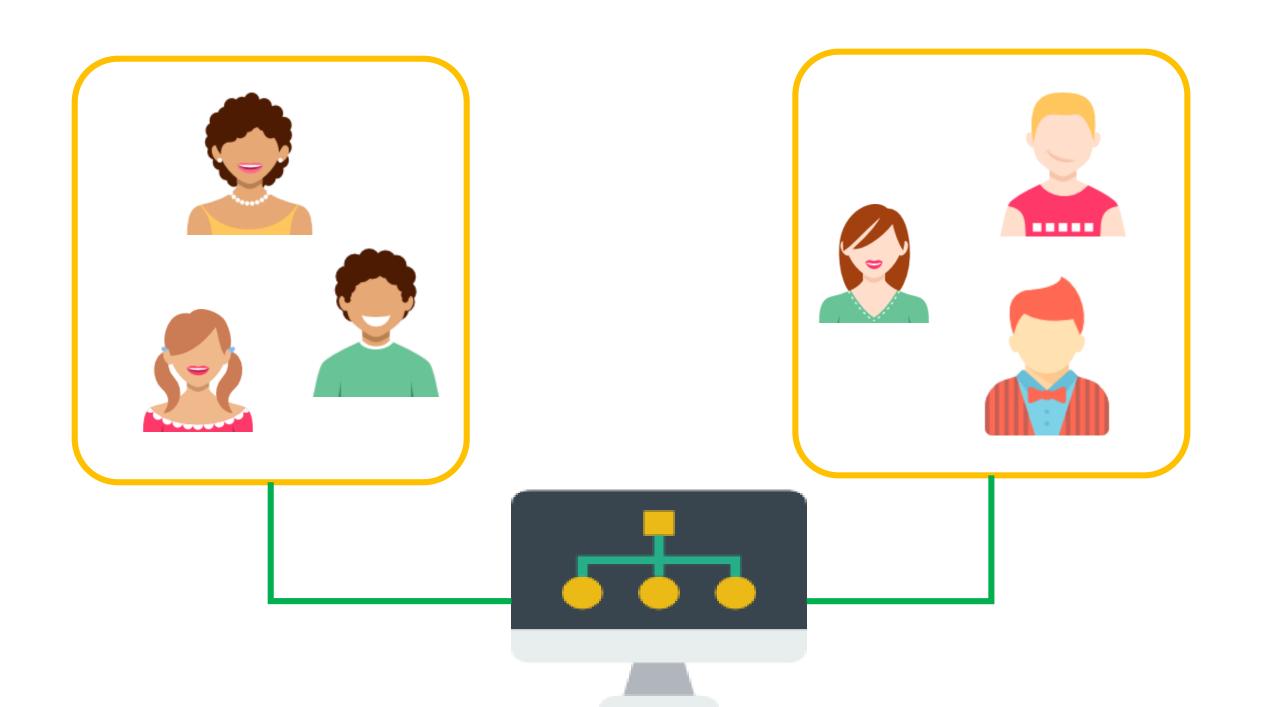
Dog? Cat?



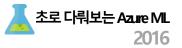
예측시험



이미지 레이블링



Analytics



Spectrum of Analytics

서술형

What happened?

진단형

What did it happened?

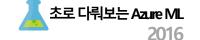
예측형

What will happen?

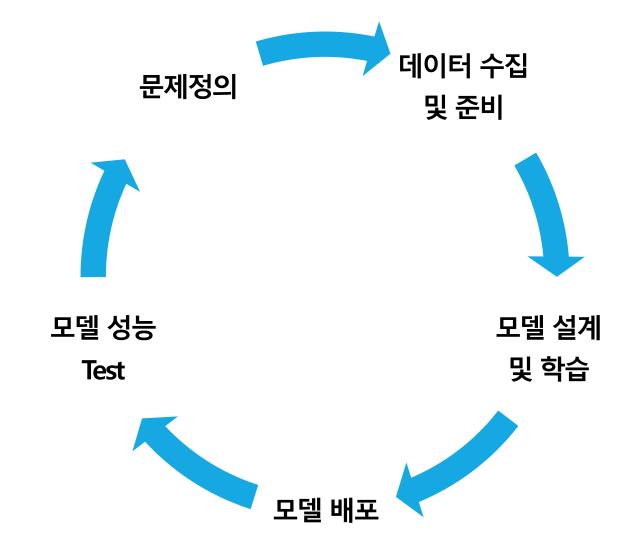
처방형

What should I do?

Analytical Sophistication



Machine Learning Process Loop

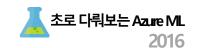




4. Machine Learning Model



Machine Learning Model



지도학습 (Supervised Learning)

머신러닝

분류모델 (Classification)

KNN

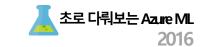
의사결정트리

서포트벡터머신

예측모델 (회귀모델-Regression)

비지도학습 (Unsupervised Learning)

군집모델(Clustering)



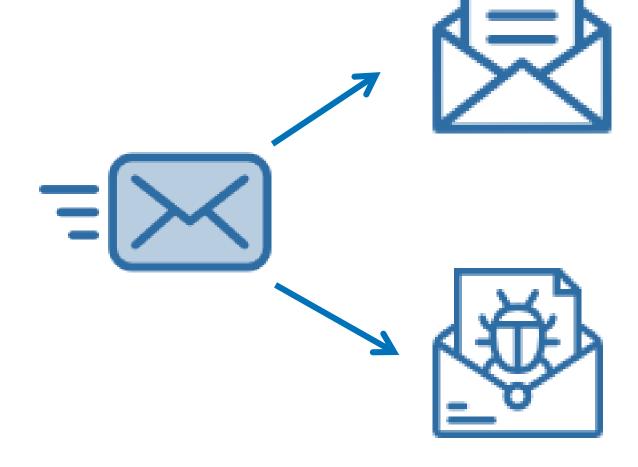
Score	Grade
Upper 85	A Grade

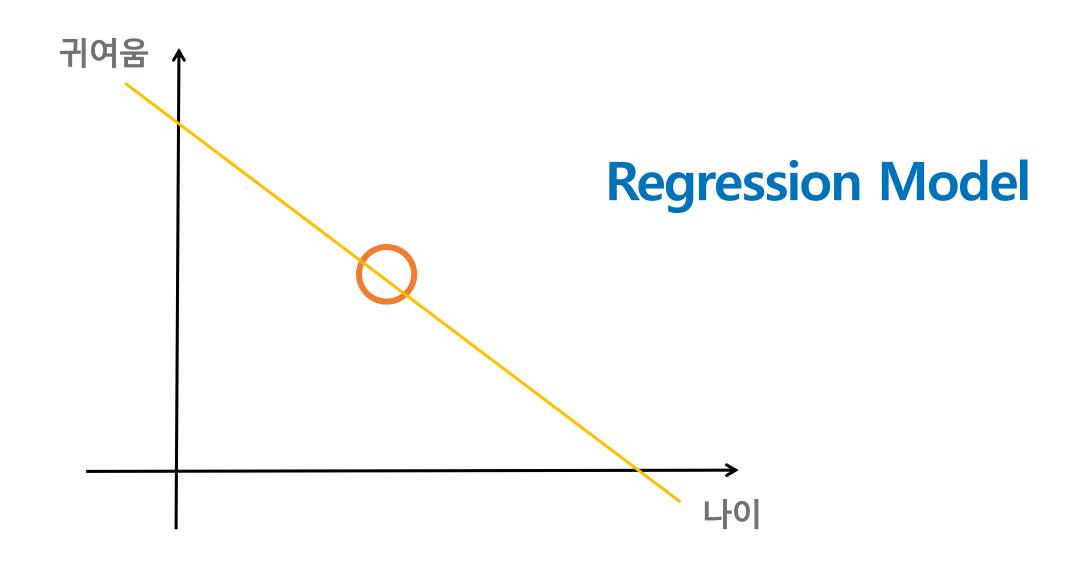
Classification Model

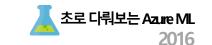
Upper 70 B Grade

Upper 50 C Grade

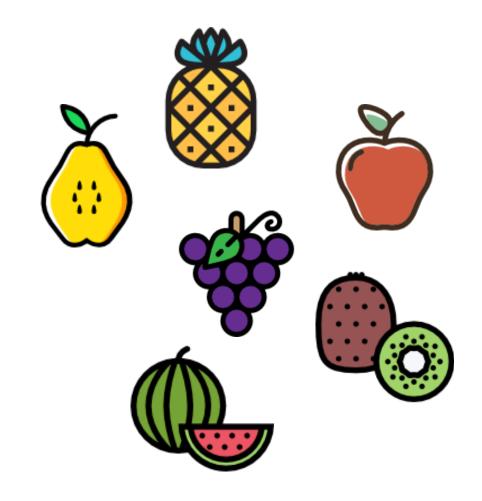


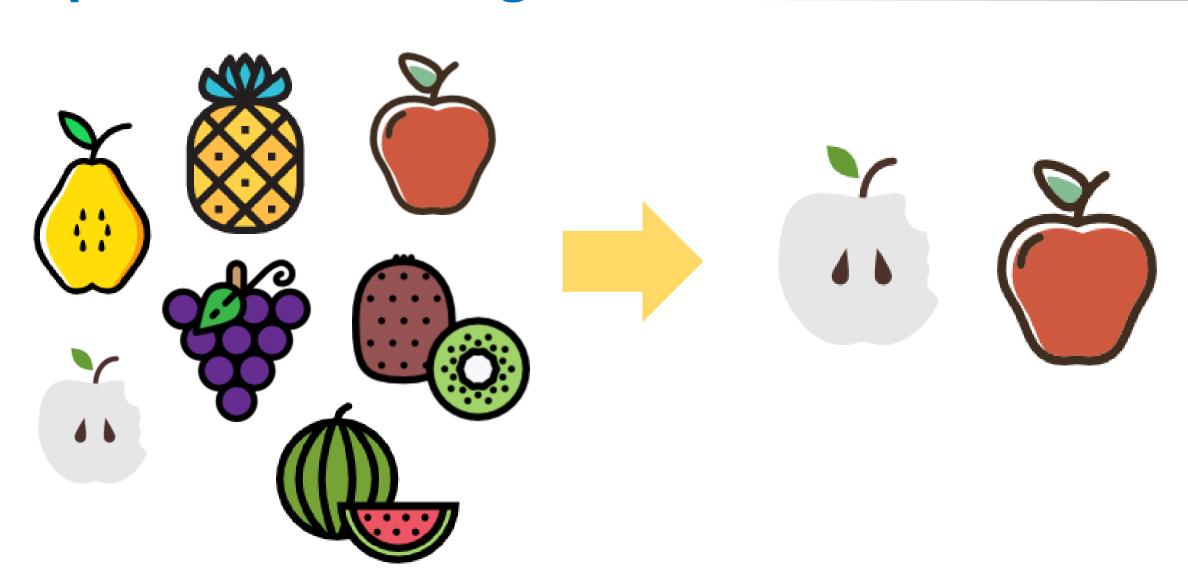






ClassificationRegression데이터 레이블 고정데이터 세트로 결정한 함수





Unsupervised Learning

Clustering Model

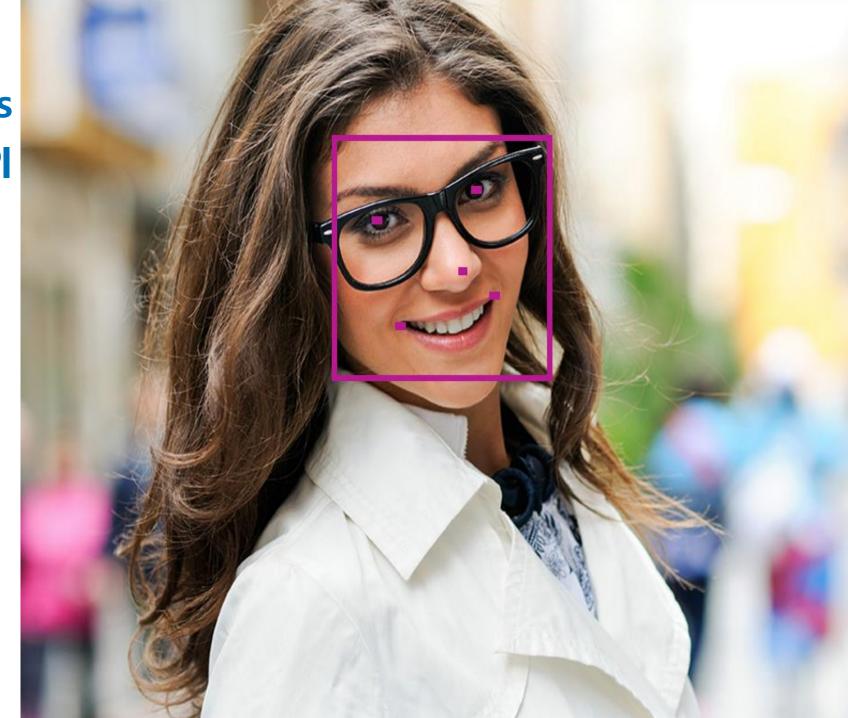




5.
ML & Cognitive API



Cognitive Services Face API



Cognitive Services Recommendation API

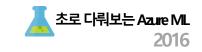




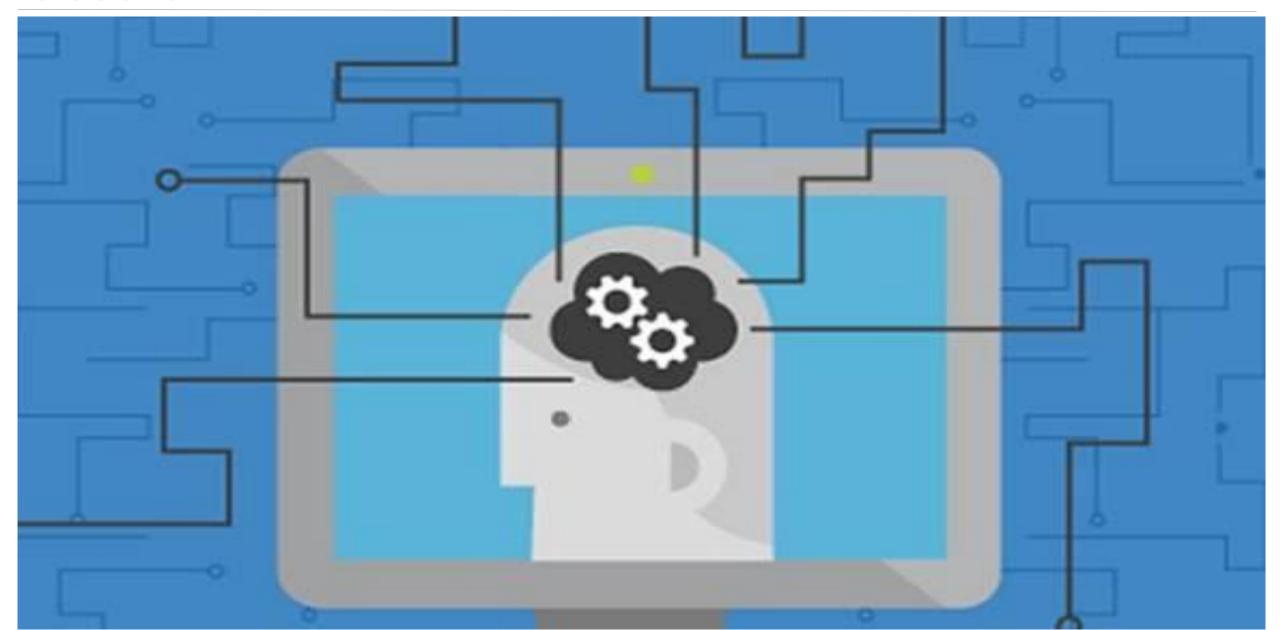
Cognitive Services Video API

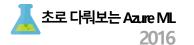




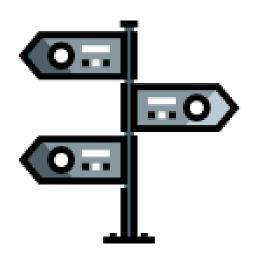


Session 1...





amyyy_@naver.com



- 인공지능, 머신러닝, 딥러닝 입문 / 위키북스 / 김의중지음
- 모두를 위한 머신러닝/딥러닝 강의
- 맨땅에 해딩 머신러닝
- 개발자를 위한 머신러닝 / 임백준

Machine Learning 기초 이론부터 Azure ML Studio 사용 실 가 나 하나 다니다

