

파이썬을 이용한 데이터과학과 머신러닝 입문

Course Overview: Introduction to Python for Data Science & Machine Learning

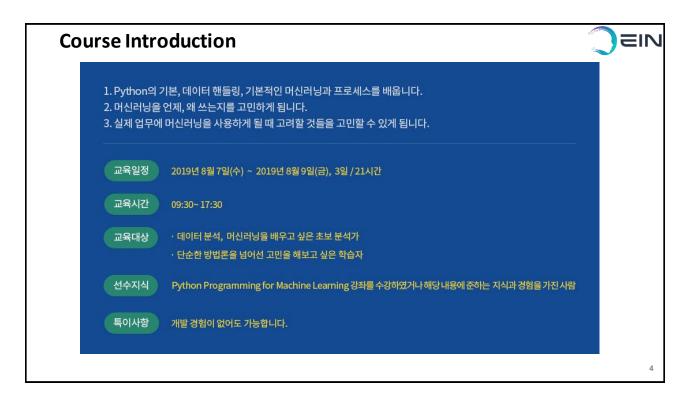
August, 2019 Ein Intelligence

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- Instructors Presentation
- Introduction
 - Industry 4.0, Digital Transformation & Machine Learning





Schedule Overview



DAY 1

DAY 2

DAY 3

- Course Intro
- Module 1
 - Python & CoLab
 - Python Basics
- Module 2
 - Numpy
 - Matplotlib
 - Pandas
 - Data Exploration (Optional)

- Module 3
 - ML Intro
 - Modeling Intro
- Module 4
 - Supervised Learning (1)
 - Regression
 - Metric & Evaluation

- Module 5
 - Supervised Learning (2)
 - Classification
- Module 6
 - Unsupervised Learning
 - Deep Learning Intro (Optional)
- Wrap-Up

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Instructor Presentation



about.{me}



















Chemistry







EMBA





Introduction

- Industry 4.0, Digital Transformation & Machine Learning



어떤 내용의 사진일지 맞춰보세요



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Learn from

"Instagram"

\$1 Bn in 2 Years by 12 People





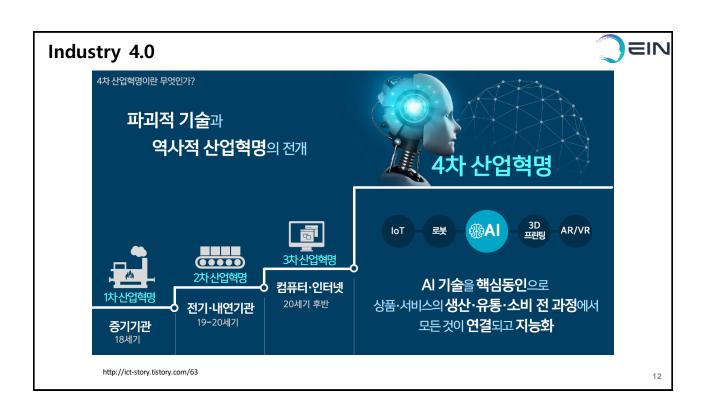
* 비교 2005년 1월초 세계 최대 App Server CyWorld ~ 1200만 가입자 & 700 만 download in 4 days

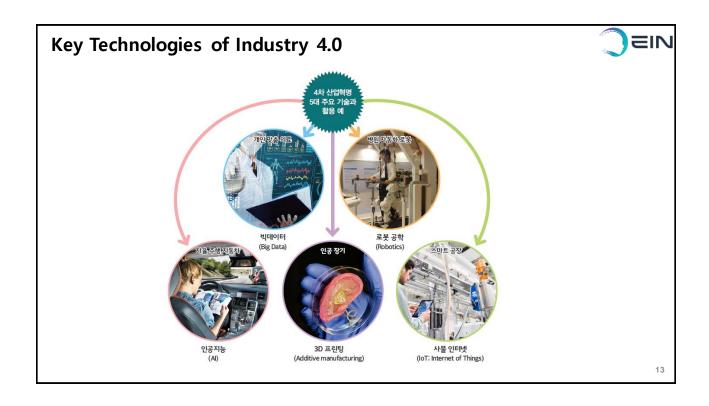
🕦 LG 경제연구원

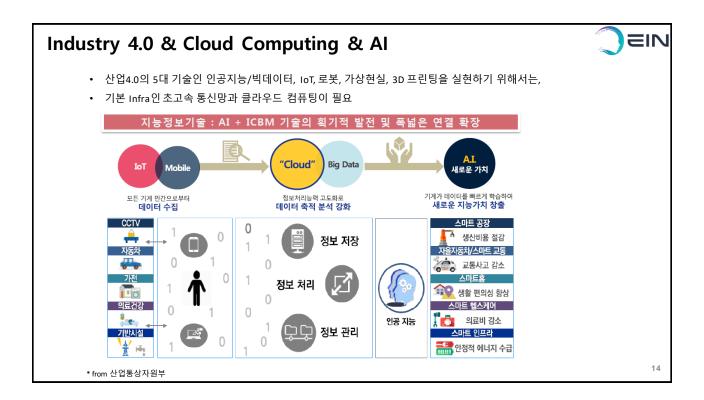
온라인 리스크, 어떻게 대응할 것인가

무권모 | 2005-02-18

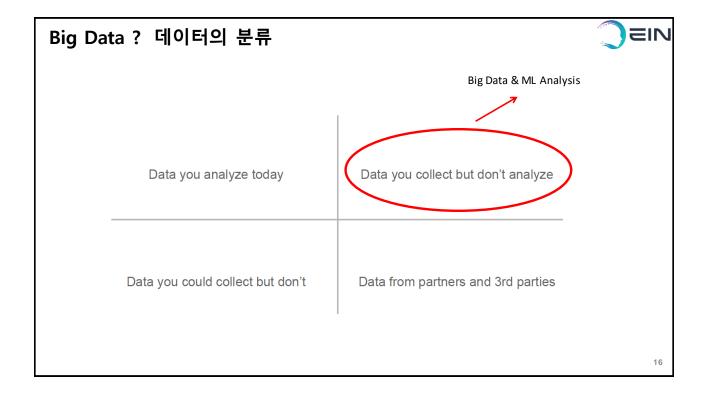
연예인 X-파일의 사례를 보면 실제로 인터넷 컨텐츠가 확산되는 속도를 가늠해 볼 수 있다. 최근 행해진 인터넷 조사를 종합해 보면 네티즌 중 절반, 즉 국민 대다수가 X-파일을 받아보는 데 걸린 시간은 불과 4일도 되지 않는 것으로 나타났다(뒤페이지 박스기사에 있는 Kryptonite 사례의 경우 단지 열흘 동안에 관련 사실을 열람한 네티즌이 1,800만 명에 이르렀다).

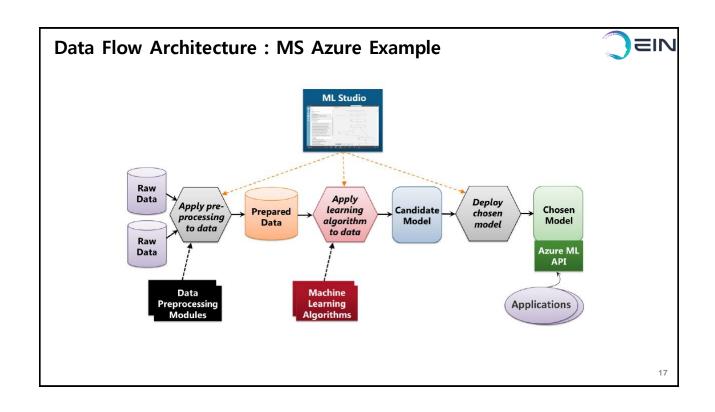


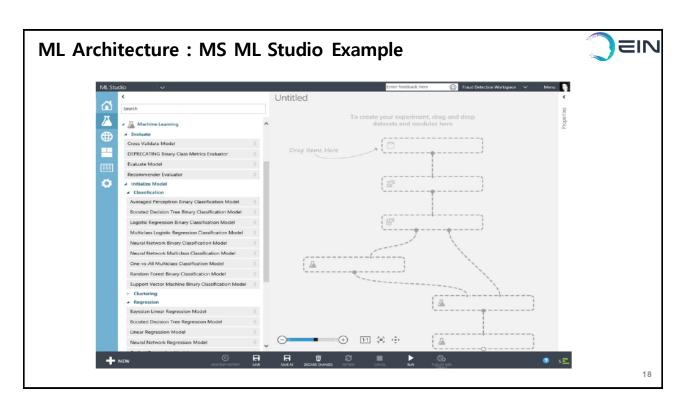


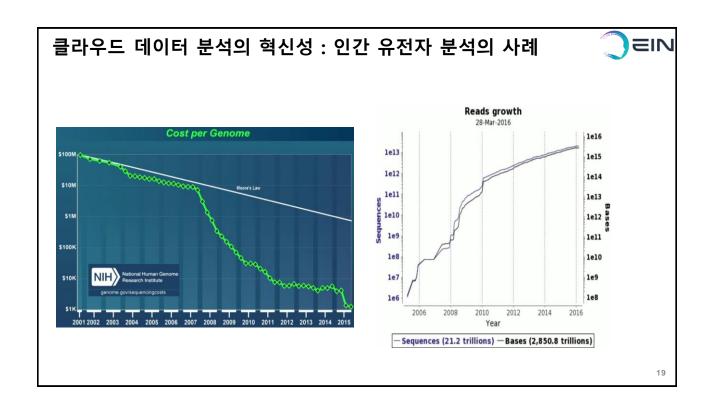




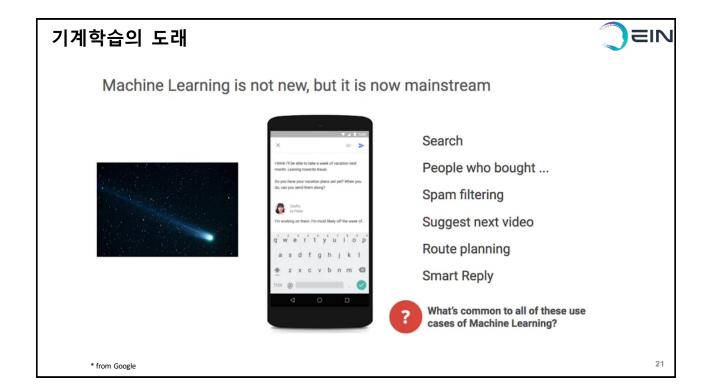


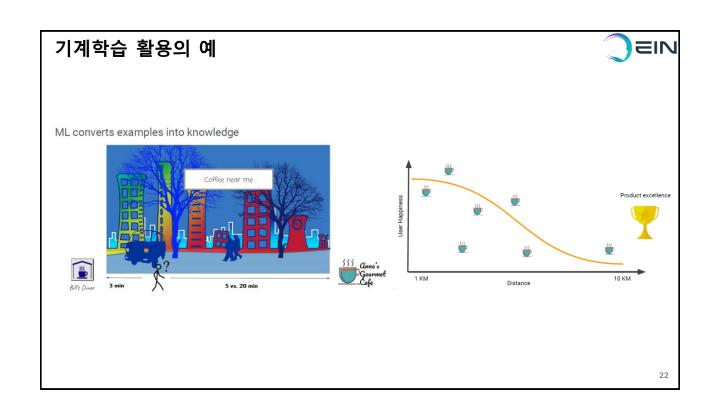


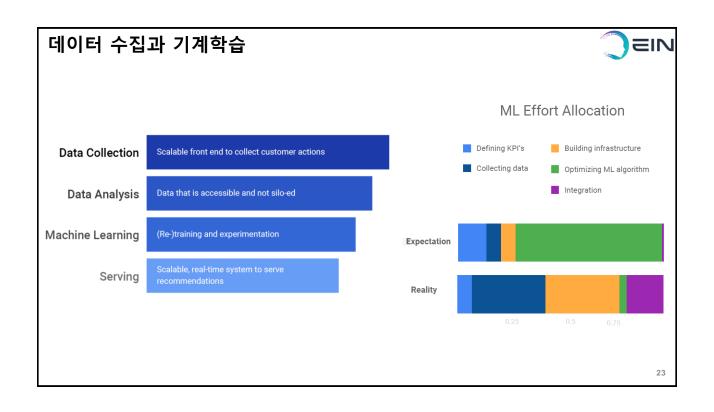


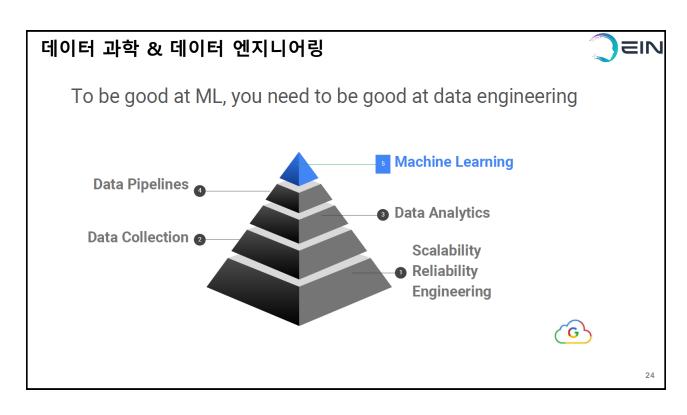


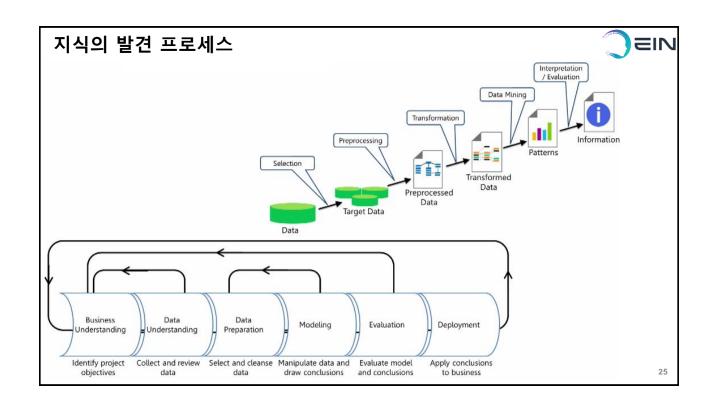
기계학습 (Machine Learning) vs. 인공지능 **EIN Machine Learning Application** Statistics Computer 베이지안 네트워크 컴퓨터 비전 • 많은 수동 조정과 규칙이 필요한 문제 연관분석 • 해결하기 너무 어렵거나 알려진 해가 없는 문제 빅데이터 Data Mining - 음성인식('one' vs 'two') - 얼굴인식(눈, 코, 입의 위치) • 변화하는 환경에 적응해야 하는 문제 DEEP LEARNING • 복잡한 문제와 대량의 데이터에서 통찰 얻기(데이터 마이닝) 20 1990's

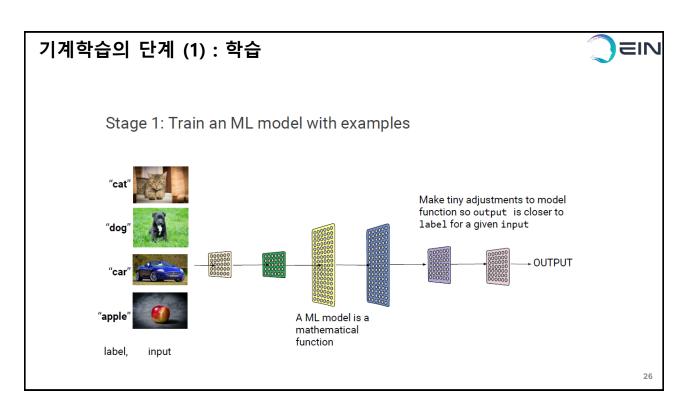


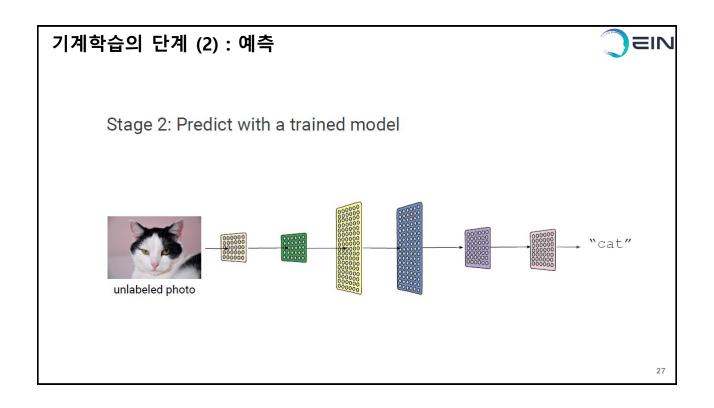


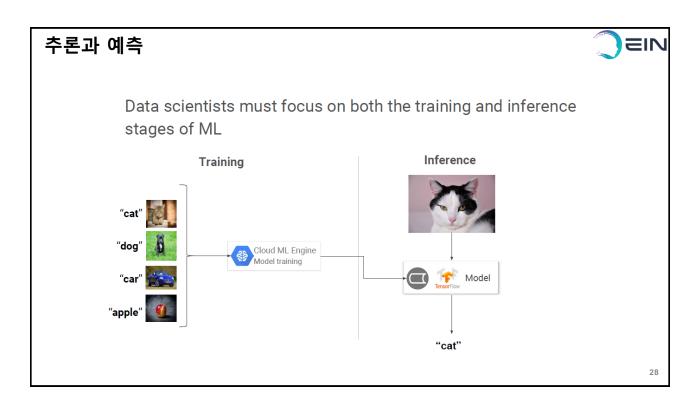


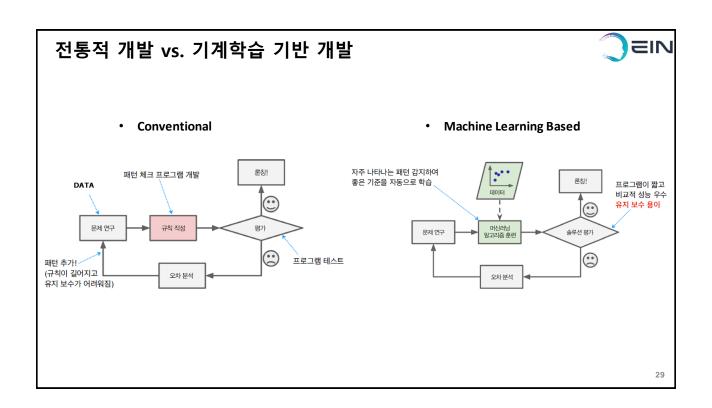


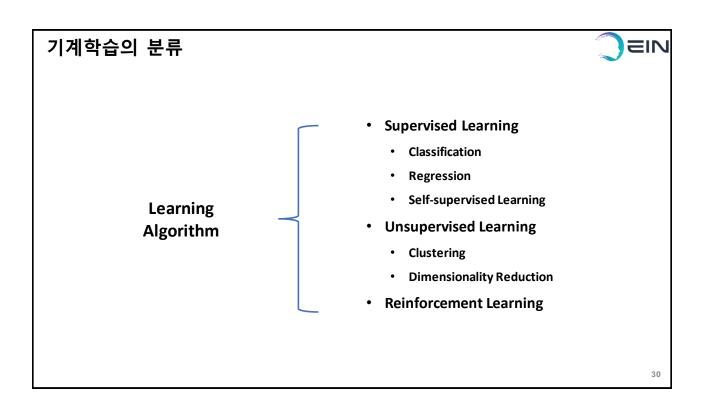
















"Machine learning. This is the next transformation... the programming paradigm is changing. Instead of programming a computer, you teach a computer to learn something and it does what you want."



Eric Schmidt, Google Chairman of the Board

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"Machine learning and artificial intelligence (AI) as core component to the future of digital transformation in businesses"

"Every business is going to have a bot interface"



Satya Nadella, Microsoft CEO

