

Introduction to Azure

Sungjin Ahn
2022.06.09



Agenda

- About me
- Cloud and Azure
- Custom Vision solution on Azure

Disclaimer

- The opinions expressed herein are my own personal opinions and do not represent my employer's view in any way.

About me

- Career
 - Microsoft
 - Technical trainer
 - DAICON
 - Data science hackathon platform company
 - Designed data science hackathons and education programs
 - Pseudo Lab
 - Non-profit organization focused on machine learning studies
 - Sungkyunkwan University B.S in Consumers / Data Science
- [linkedin.com/in/sungjin-ahn/](https://www.linkedin.com/in/sungjin-ahn/)



PseudoLab – Where the history started...




PseudoLab Tutorial Book

Search this book...

PyTorch를 활용한 딥러닝 튜토리얼 (Deep Learning Tutorials with PyTorch)

객체 탐지(OBJECT DETECTION)
의료용 마스크 탐지 모델 구축

1. 객체 탐지 소개
2. 데이터 탐색
3. 데이터 전처리
4. RetinaNet
5. Faster R-CNN
6. 참고 문헌

시계열 분석(TIME SERIES)
코로나 확진자 수 예측 모델 구축

1. Time Series 소개
2. 데이터 탐색

← 

PyTorch를 활용한 딥러닝 튜토리얼 (Deep Learning Tutorials with PyTorch)

Note
2022.05.20 공지
향후 콘텐츠 방향을 정하기 위해 간단한 설문조사를 진행 중입니다. 소중한 의견을 바탕으로 더 좋은 콘텐츠로 곧 찾아뵐 수 있도록 하겠습니다. 감사합니다.
[설문조사 바로가기](#)

PyTorch를 활용한 딥러닝 튜토리얼 홈페이지에 오신 것을 환영합니다! License CC BY-NC-SA 4.0 [Translate To English](#)

PyTorch를 활용해 여러 딥러닝 모델을 구축하는 과정을 정리한 저장소입니다.

해당 자료는 가짜연구소(Pseudo Lab) 튜토리얼 팀에 의해 제작 되었습니다.

가짜연구소는 진짜 연구소는 아니지만 머신러닝 연구를 중심으로 모인 커뮤니티입니다. 오픈(open)의 가치를 추구하는 좋은 영향력을 끼칠 수 있는 그룹을 만들고자 합니다!

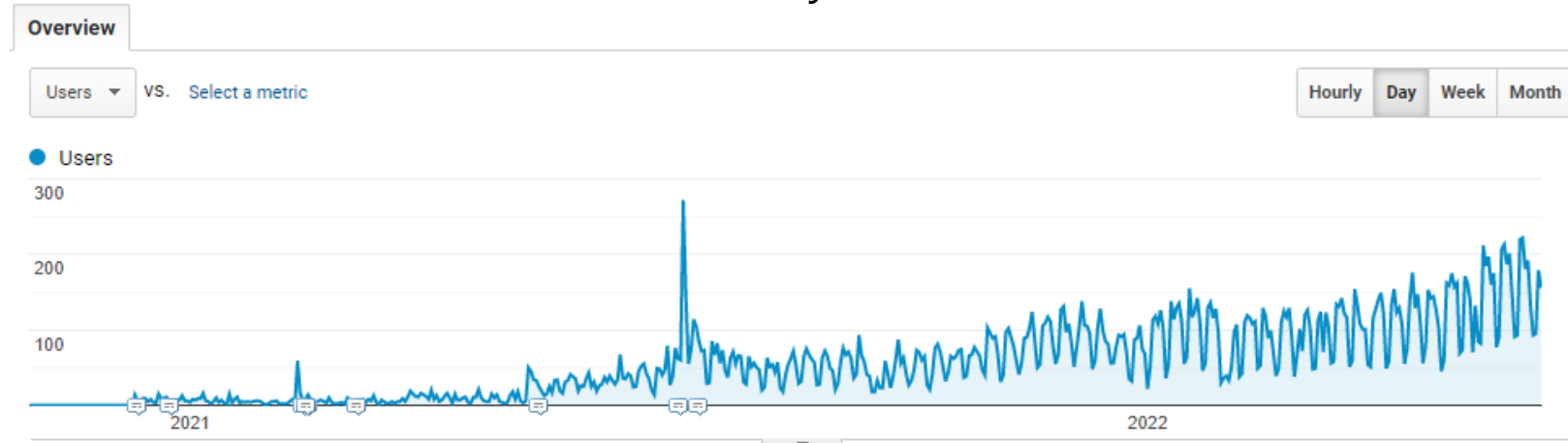
비영리적으로 머신러닝/딥러닝, 캐글(Kaggle) 관련한 밋업, 스터디, 코드 공유, 유튜브, 해커톤 및 각종 이벤트를 통해 공유의 가치를 형성하고자 합니다.

챕터명	모델	참여 인원	날짜
객체 탐지 (Object Detection)	의료용 마스크 탐지	강민지, 김호열, 박준형, 안성진	2020.10

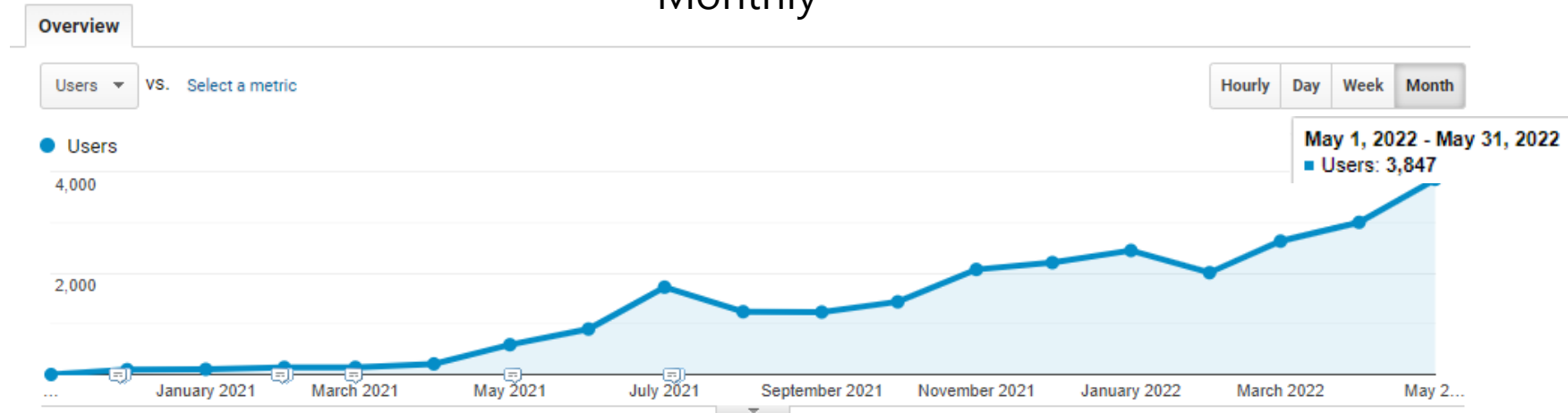
<https://pseudo-lab.github.io/Tutorial-Book/>

PseudoLab – Where the history started...

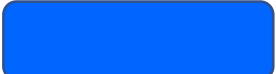
Daily

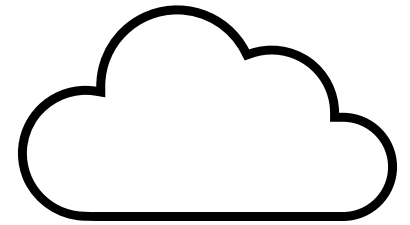


Monthly

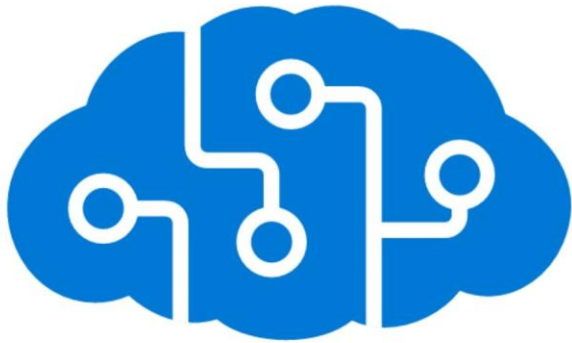


Cloud and Azure

- Cloud computing: on-demand availability of computer system resources (Wikipedia)
 - Compute
 - Storage
 - Network
- Azure: Cloud computing services provided by Microsoft
 - Azure means 'a bright blue color' 



Computer vision solutions on Azure



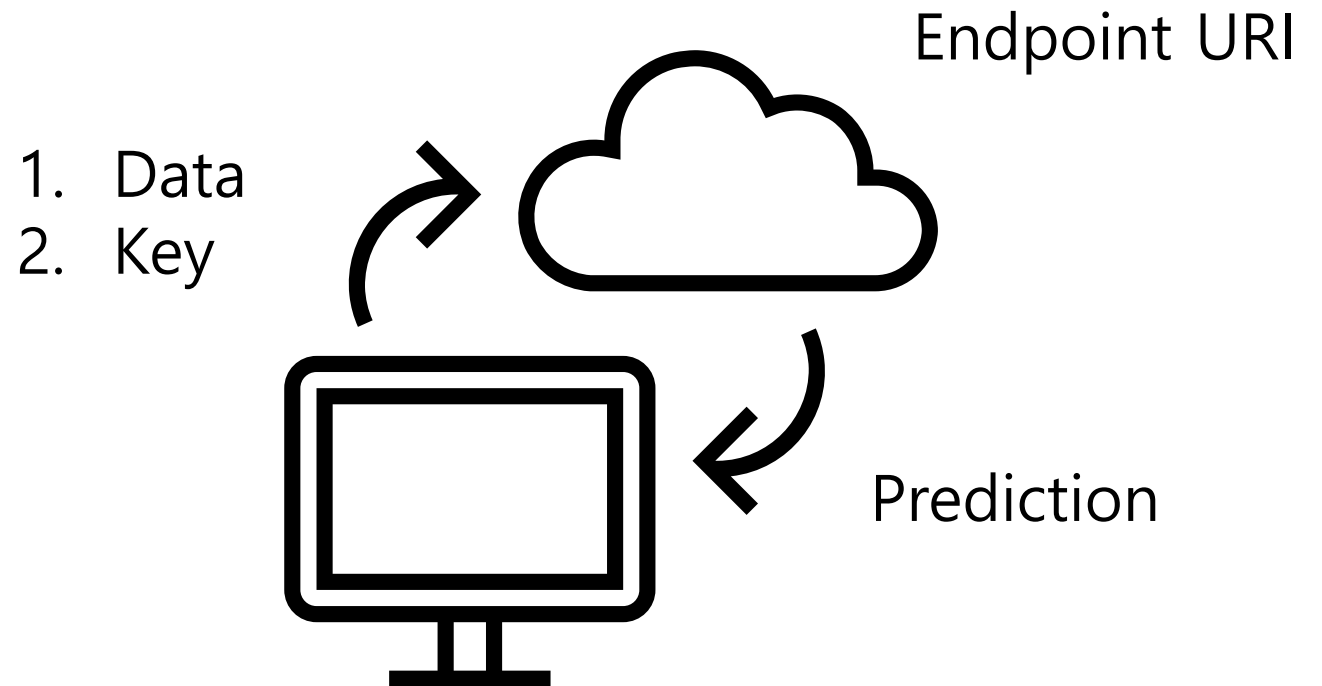
Cognitive Services



Custom Vision

Cognitive Service

- Image Tagging
- Object Detection
- Image Classification
- Image Captioning
- Face detection
- Content moderation



Custom Vision



- Web-based solution for training custom computer vision models
- Supports training custom image classification or object detection model

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[Monday, June 20, 2022 - 09:00 AM Eastern Time](#)



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[Wednesday, June 08, 2022 - 09:00 AM Eastern Time](#)

[Friday, June 10, 2022 - 11:00 AM Eastern Time](#)


[Monday, June 20, 2022 - 11:00 AM Pacific Time](#)

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<https://docs.microsoft.com/en-us/learn/certifications/exams/ai-900>

Thank you!
Any Questions?