Al on Cloud







Al on Cloud

Chapter 3

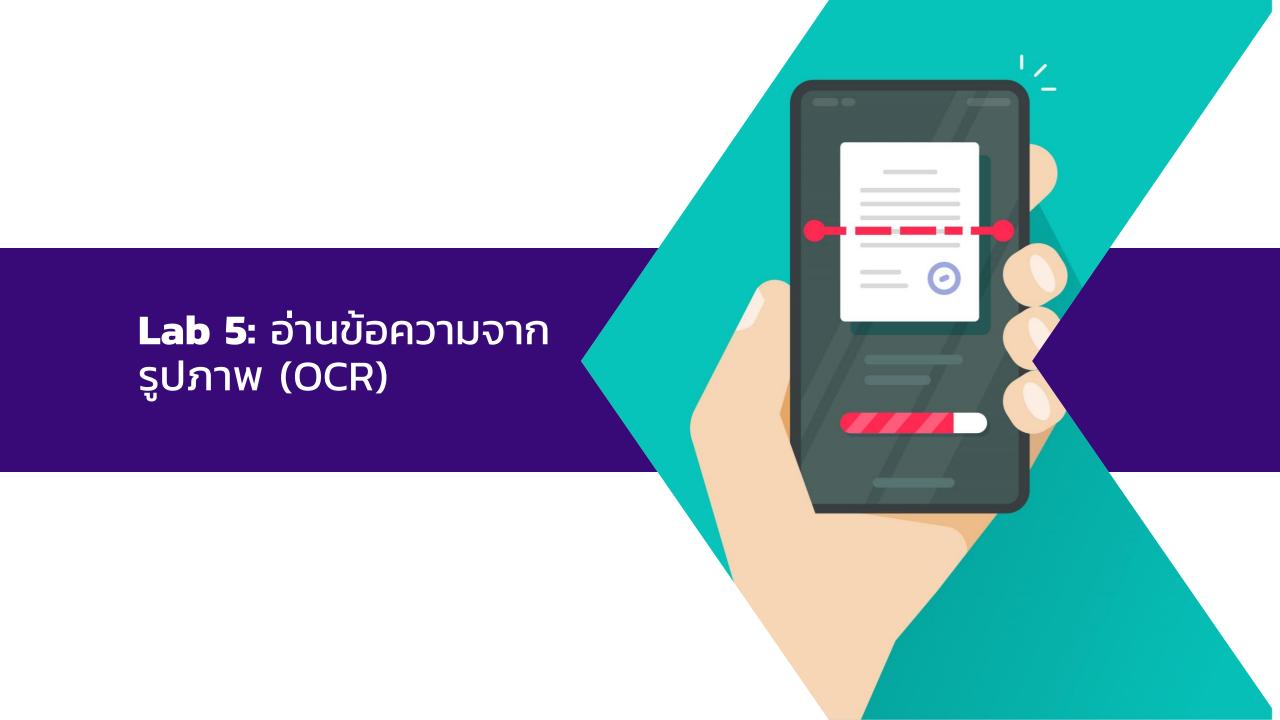
คอมพิวเตอร์วิทัศน์ (Computer Vision)



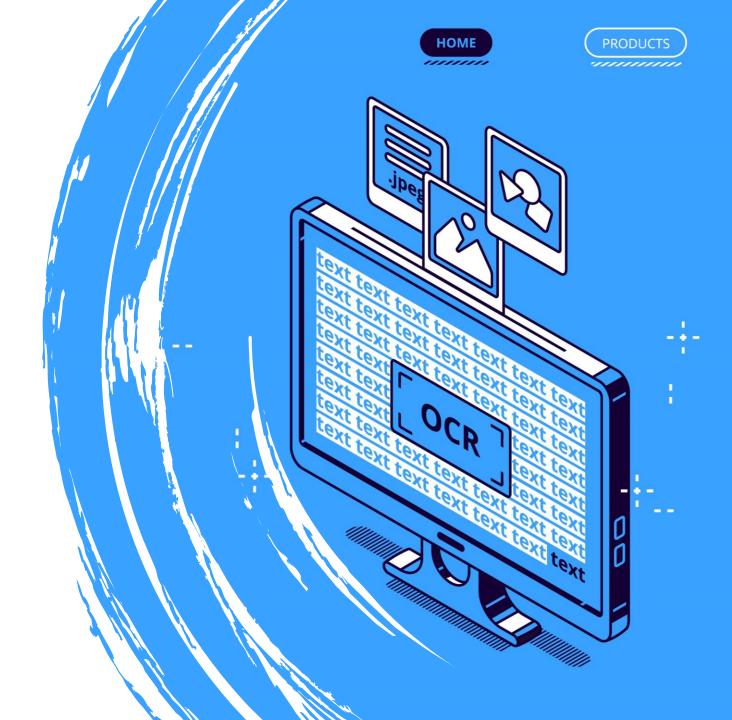








Optical Character Recognition (OCR)



Computer Vision Service บน Azure สำหรับ Read Text

2 APIs:

- · OCR API
- · Read API





The OCR API

- **Regions** in the image that contain text
- Lines of text in each region
- Words in each line of text
- Bounding box coordinates

Lab 5: Read Text from Images (OCR)

เป้าหมาย:

- อ่านข้อความจากภาพ



Tool: OCR API

technoStep 1 Create a Cognitive Loren ipsum dolor sit amet, consectetur adipiscini Services Resource



Step 2 Configure and Run a Client Application

ใช้ Cloud Shell บน Azure

git clone https://github.com/MicrosoftLearning/AI-900-AIFundamentals ai-900



Code สำหรับตัวอย่าง application คือ ocr.ps1.



Step 3 Use the OCR API to read text

./ocr.ps1 advert.jpg



Text: Northwind | Text Bounding Box: 74,76,529,98 Text: Traders | Text Bounding Box: 639,70,368,91 Text: Fresh | Text Bounding Box: 74,281,138,48 Text: produce, | Text Bounding Box: 235,277,234,61 Text: friendly | Text Bounding Box: 71,360,207,57 Text: service | Text Bounding Box: 296,358,185,47 Text: Open | Text Bounding Box: 1176,1069,141,55 Text: 7 | Text Bounding Box: 1338,1066,29,43 Text: days | Text Bounding Box: 1388,1062,117,56 Text: a | Text Bounding Box: 1524,1072,26,33 Text: week | Text Bounding Box: 1570,1055,142,48

Step 4 ทดลองกับภาพอื่นๆ และดูผลลัพธ์

./ocr.ps1 letter.jpg

January 23rd 2020

For the attention of: The manager Northwind Traders 123 Any Street Bellevue, WA

Dear Sir or Madam,

I am writing to thank you for the fantastic service I received at your store on January $20^{\rm th}$. The store assistant who helped me was extremely pleasant and attentive; and took the time to find all of the fresh produce I needed.

I've always found the quality of the produce in your store to be high, and the prices to be competitive; and the helpfulness of your employees is another reason I will continue to remain a loyal Northwind Traders customer.

Sincerely,

A Customer

A. Customer

End of Lab 5

Thank you