

Lab 3 skilable

Kimberly navarrete

In this lab I learned and got to explore Natural Language Processing (NLP) using Azure AI Language in the Azure AI Foundry portal. I learned how to create and manage AI projects within Azure AI Foundry and then setting up an Azure AI hub and provisioning resources was part of the process. One of the coolest things I did was named entity recognition, which pulls out names, places, and dates from text. I also worked with key phrase extraction, which finds the most important parts of a review. The text summarization tool helped me condense long reviews into shorter summaries. It was interesting to see how AI can analyze customer feedback and pull meaningful insights. I learned about confidence scores, which show how accurate AI predictions are. The lab really showed me how businesses can use AI to process large amounts of text data. I can see how these skills apply to chatbots, automated reports, and sentiment analysis. It was also a great intro to working with cloud-based AI services. I got to see how AI can help businesses make smarter decisions with text analysis. I also learned how resource groups and AI services are structured in Azure. Overall this lab gave me a solid experience with AI and text analytics.

labclient.labondemand.com/LabClient/d9e218f6-cc4f-434a-848b-07f8636746cc

Language Playground - Azure AI | Microsoft Edge help & learning

https://ai.azure.com/build/playground/language?wsid=/subscriptions/2dc53c9c-02...

Analyze sentiment
Detect positive, negative and neutral sentiment in text. Get more insights by mining opinions.

Detect language
Evaluate text and detect a wide range of languages and variant dialects.

Extract health information
Extract and label relevant health information from unstructured text.

Configuration

Select API version
2024-11-15-preview

Select model version
2024-04-15-preview

Select text language
English

Hide PII

Sample
Select a sample...

Text JSON

Tired hotel with poor service

The Royal Hotel, London, United Kingdom

393 / 5000

Run

Details

Date (100%)

DateTime (100%)

now

Type: DateAndTime
Offset: 189
Length: 3
Confidence: 100%

Analyze text in Azure AI Foundry portal
30 Minutes Remaining

Instructions Resources Help 100%

entity extraction capability of Azure AI Language to identify types of information in a review.

1. In the Language playground, select **Extract information**. Then select the **Extract named entities** tile.
2. Under **Sample**, copy and paste the following review:


```
Tired hotel with poor service
The Royal Hotel, London, United Kingdom
5/6/2018
This is an old hotel (has been around
```
3. Select **Run**. Review the output. Notice in the **Details** section how the extracted entities come with additional information such as type and confidence scores. The confidence score represents the likelihood that the type identified actually belongs to that category.

Extract key phrases with Azure AI Language in Azure AI Foundry portal

57% Tasks Complete

End >

labclient.labondemand.com/LabClient/d9e218f6-cc4f-434a-848b-07f8636746cc

Language Playground - Azure AI | Microsoft Edge help & learning

https://ai.azure.com/build/playground/language/summarizeinformation?wsid=/sub...

Summarize conversation
Recap conversation and segment long meeting into timestamps chapters

Summarize for call center
Recap call and summarize for customer issues and resolution

Summarize text
Summarize and extract key information at scale from text

Configuration

Select API version
2024-11-01 (GA)

Select text language
English

Select summarization result types.
These options may occur additional costs.

Sample
Select a sample...

Text JSON

Very noisy and rooms are tiny

The Lombard Hotel, San Francisco, US

833 / 12500

Run

Details

Extractive summary

- (Rank score: 78%) Very noisy and rooms are tiny
- (Rank score: 100%) The Lombard Hotel, San Francisco, US
- (Rank score: 76%) Hotel is located on Lombard street

Analyze text in Azure AI Foundry portal
27 Minutes Remaining

Instructions Resources Help 100%

Summarize text tile.

2. Under **Sample**, copy and paste the following review:


```
Very noisy and rooms are tiny
The Lombard Hotel, San Francisco, US
9/5/2018
Hotel is located on Lombard street
```
3. Select **Run**. Review the output. Notice the **Extractive summary** in **Details** provides rank scores for the most salient sentences.

Clean up

If you don't intend to do more exercises, delete any resources that you no longer need. This avoids accruing any unnecessary costs.

1. Open the **Azure portal** at <https://portal.azure.com> and select the resource group that contains the resources you created.
2. Select the resources and select **Delete** and then **Yes** to confirm. The resources are then deleted.

89% Tasks Complete

End >