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Analyze text with Language Studio (Expected Duration 1 hours) [Details](#) ▾

AI-900T00-A Microsoft Azure AI Fundamentals [Cloud Slice Provided], Learning Path 03 (CSS)

Required: Yes

Status: Complete

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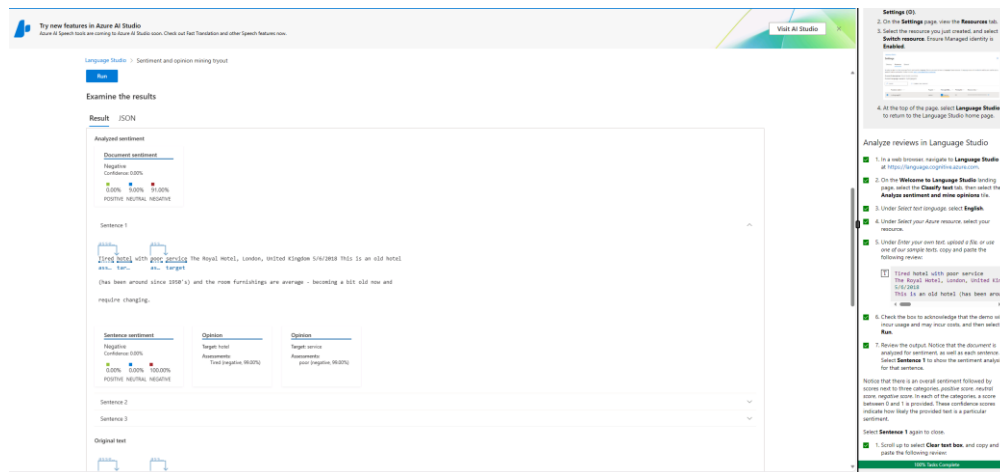
Reflection Journal: Analyze text with Language Studio

In this journal entry, I reflect on completing the third lab in the five-part introductory series in preparation for the Azure AI-900 certification exam. This lab focused on the Azure AI Language Studio, exploring its tools and examining sentiment analysis and opinion mining applications. This hands-on experience enhanced my technical skills and provided insights into how AI can address real-world challenges.

The lab's purpose was to analyze customer reviews using Azure AI Language Studio's sentiment analysis and opinion mining features to determine whether they were positive, negative, or neutral. This exploration connects to Natural Language Processing, a branch of AI that enables computers to process and interpret human language by extracting semantic meaning, identifying key phrases, and detecting sentiment trends.

The lab began with navigating the Azure portal and creating a new AI resource before exploring features within the Language Studio, including sentiment analysis, summarization, text classification, and opinion mining. A key focus of the lab was the Sentiment Analysis Try It Out tool, which demonstrates how AI assigns confidence scores ranging from 0 to 1 to determine the likelihood of a sentence expressing a specific sentiment. Additionally, I explored how Opinion Mining identifies specific opinions linked to words, providing insights into trends such as customer preferences.

The most engaging part of the lab was using the Try It Out application for analyzing customer hotel reviews. I observed how AI can determine whether a review is predominantly positive or negative. This capability I believe is valuable for businesses like hotels and travel agencies assessing customer feedback.



At first, I struggled to interpret the results and their significance. However, through research and further understanding, I gained clarity, which boosted both my confidence and familiarity with the Azure Language Studio tools.

What impressed me most was how accurately AI identified sentiment patterns. I believe this could be valuable in my academic work and my professional work to be specific, as I now know a practical tool I can use to collect reviews on students' lab experiences at HCC for my job. However, as I mentioned in previous lab reflection journals, this also raised questions about context and intent. For instance, I wondered if subtle contextual changes could shift sentiment, highlighting a limitation of AI in fully capturing the complex nature of human language, even when analyzing large datasets quickly.

Overall, this lab laid a strong foundation for understanding Azure AI and the capabilities of the Language Studio. I gained technical skills, explored use cases like sentiment and opinion analysis, and gained a better understanding of AI's role in decision-making. This experience has solidified my interest in AI and its potential to positively impact my life. I now feel much more confident in using Azure AI tools effectively while considering their possibilities and ethical implications.

