Artificial Intelligence Orientation

Lab 2 – Working with Text and Speech

Overview

In this lab, you will explore some data analysis techniques that are commonly used in AI solutions that need to interpret natural language from text or speech inputs.

What You'll Need

To complete this lab, you will need the following:

- A Microsoft account (for example, an *outlook.com*, *live.com*, or *hotmail.com* address)
- A Microsoft Azure subscription
- A Windows, Linux, or Mac OS X computer
- The lab files for this course

Note: To set up the required environment for the lab, follow the instructions in the setup guide for this course.

Complete the Lab in Azure Notebooks

This lab is provided in an Jupyter notebook that you can upload to the Azure Notebooks service.

Upload the Notebook

Your Azure Machine Learning web service is available to any REST-compatible client application over HTTP; so, in addition to using the Excel add-in, you can easily implement a custom client application to consume your web service.

1. Open your browser and navigate to https://notebooks.azure.com, and sign in using your Microsoft account.

   Note: If you did not create an Azure Notebooks library in the previous lab, you may need to grant the application some permissions. Then you should click **Libraries** and create a new library with your choice of name, unique ID, and description.

2. Browse to your library, click **New** to add a notebook to the library.
3. In the **Add Notebooks to Library** dialog box, click the **From computer** tab, and then click **Choose notebooks** and browse to the **Text+Speech.ipynb** notebook file in the **Lab02** folder where you extracted the lab files for this course. Then click **Upload**.
4. When the file has been uploaded, open it and follow the instructions it contains to complete the lab.