Artificial Intelligence Orientation

Setup Guide

Overview

This course is designed to give you an overview of artificial intelligence techniques and technologies. To complete the labs in this course, you will need to set up your environment.

What You'll Need

- A Microsoft account (for example, an *outlook.com*, *live.com*, or *hotmail.com* address)
- A Microsoft Azure subscription
- A Microsoft Windows, Apple Macintosh, or Linux computer

Create an Azure Subscription

Note: If you already have a Microsoft Azure subscription, you can skip this section.

If you do not have an Azure subscription, you can join the Visual Studio Dev Essential program, which includes a 12-month Azure subscription with $25 of free credit per month – this a good option if you plan to take more courses that require Azure after this one. Alternatively, you can create a 30-day free trial subscription, which includes $200 of free credit in your local currency, but which last only for one month. Regardless of which option you choose, you will need to provide a valid credit card number for verification, but you will not be charged for Azure services – for more information, see the frequently asked questions in the Azure sign-up page.

If you have previously had a free trial subscription that has now expired, you will <u>not</u> be able to sign up for a second free trial. In this case, you must sign up for a pay-as-you-go subscription. The lab instructions in this course are designed to minimize the cost of the Azure resources required to complete the hands-on exercises.

To set up an Azure subscription:

1. If you already have a Microsoft account that has <u>not</u> already been used to sign up for a free Azure trial subscription, you're ready to get started. If not, don't worry, just create a new Microsoft account at https://signup.live.com.
2. After you've created a Microsoft account, go to https://aka.ms/edx-dat263x-vsdev and sign up for the Visual Studio Dev Essentials program, and then activate your Azure subscription. You'll need to sign-in with your Microsoft account if you're not already signed in. Alternatively, after creating your Microsoft account, browse to https://aka.ms/edx-dat263x-az and start a free 30-

day trial subscription. Then follow the instructions to sign up for a free 30-day trial subscription to Microsoft Azure.

> **Note**: When activating either a 30-day trial or a Visual Studio Dev Essentials Azure subscription, you will need to provide valid credit card details –your credit card won't be charged for any Azure services you use during the trial period, and the account is automatically deactivated at the end of the trial period unless you explicitly decide to keep it active. A small transaction, which is refunded, may be used to validate the credit card.

Install the Lab Files

To complete the labs in this course, you will need to download and extract the lab files from the course GitHub repository.

1. Download the lab files zip archive from https://aka.ms/edx-dat263x-labfiles.
2. Extract the lab files to a folder on your computer.

Optional: Install the Anaconda Python Distribution

You can complete the labs using only a web browser and the lab files. However, some of the techniques demonstrated in this course require a local installation of Python and Jupyter Notebooks. The notebooks used in the demonstration videos are provided at https://aka.ms/edx-dat263x-demos. If you wish to explore the demo code, you'll need to install Jupyter and the Python 3.6 kernel. For details of how to install Jupyter and Python, visit the Jupyter site at https://jupyter.org.