Installing Graphviz and pydotplus

Windows Instructions

1) To install graphviz and pydotplus , you need to open the Command Prompt window by clicking the **Start** button  . Open the Terminal window if you're using a Mac. In the search box, type **Command Prompt**, and then, in the list of results, click **Command Prompt**.

1.1) At the command prompt, type pip install Graphviz.

1.2) After Graphviz is installed, type pip install pydotplus.

1.3) Close the command prompt window

Important: You might have to add the path to the windows system environment PATH: To do this, go to control panel -> system and security -> system -> advanced system settings -> environment variables.

1) Click on PATH in the User Variables window, then Edit.

2) Go to the end of the path (it's really long) and add the following: **;C:\Program Files (x86)\Graphviz2.38\bin**

This is the default path for where the graphviz executables are found. If you change the default installation path when installing graphviz, then you would have to substitute that path for the one in step 2.3. You also have to make sure to include the semi-colon in the front of the path.

MAC Instructions

1) To install graphviz and pydotplus , you need to open the Terminal application. To do this, open the Applications folder, then open the Utilities folder and open the **Terminal** application. You can also locate the Teminal application using Spotlight.

1.1) At the terminal prompt, type pip install Graphviz.

1.2) After Graphviz is installed, type pip install pydotplus.

1.3) Close the terminal and the environment, and reopen it

Important: In the example python program, get rid of line 20 (os.chdir("C:\TREES")---it's a PC command. When you read in the data set with the pd.read_csv, just put the full path name in the quotes inside the parentheses. For example ,

data = pd.read_csv("/Users/jrose01/Coursera/Machine_Learning /treeaddhealth.csv")

(2) When you run the programs, you may get an error message that reads “TypeError: string argument expected, got 'str' “. To avoid this, replace the code

from io import StringIO

with

from io import BytesIO as StringIO