

# Getting Started - Anaconda

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The preferred method of executing the notebooks is with [Anaconda](#). From within the Nationwide AWS Workspace you should already see Anaconda installed and ready to use.

## Installing Anaconda

1. **If using AWS Workspace, skip this step.** If you wish to work with Anaconda on your own computer, [Download Anaconda](#) (64-bit, preferably) and follow the [installation instructions](#) to install the software. NOTE: Anaconda is a large package. It may take up to 2.5GB of space on your hard drive.
2. For Unit 1, download the Unit\_1\_Data.zip file (1MB) from the Applied Analytics, Course Content > Unit 1, Blackboard course. Extract the file contents to your hard drive.
3. **If using AWS Workspace, skip this step.** Update Anaconda by opening an Anaconda terminal window, and typing the following command:

```
conda update -all
```

PLEASE NOTE: Updating Anaconda may take some time. Allow 20-30 minutes to complete this one-time task.

## Using Anaconda

After installation is complete, run the *Jupyter Lab (preferred)* or *Jupyter Notebook* program from the Start Menu, browse to the location to which the notebooks were extracted, and open the desired notebook.

Near the beginning of most notebooks, one cell contains code necessary to install third-party libraries using the Python command line tool, **pip**. Because some of these libraries require non-Python code to be compiled, this step can fail in Windows. The preferred method of installing the libraries using the Anaconda Prompt window with the command line tool, **conda**, is provided.

To install most of the required libraries for all the notebooks at once, open the Anaconda prompt and execute the following command:

```
conda install -c conda-forge --yes pandas matplotlib lxml requests xlrd  
seaborn statsmodels beautifulsoup4 textblob tinydb folium python-docx  
plotly boto3
```

After executing the `conda install` command, execute the following in an Anaconda terminal:

```
pip install requests_oauthlib squarify dash dash-renderer dash-html-  
components dash-core-components geopandas
```