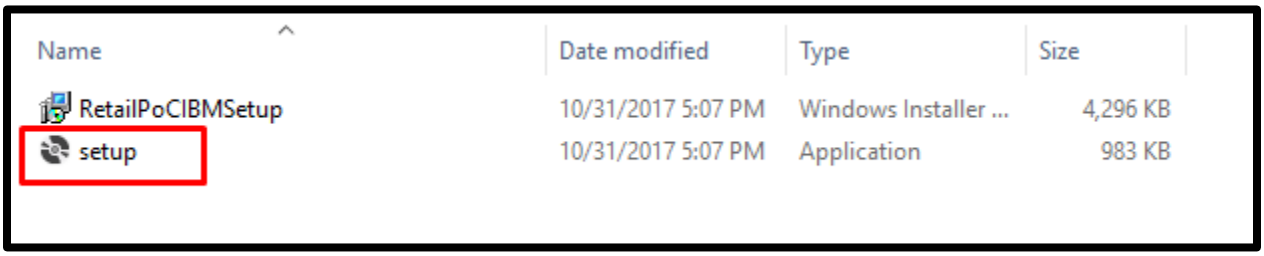
Retail POC 2.0

Proof of Concept Guide

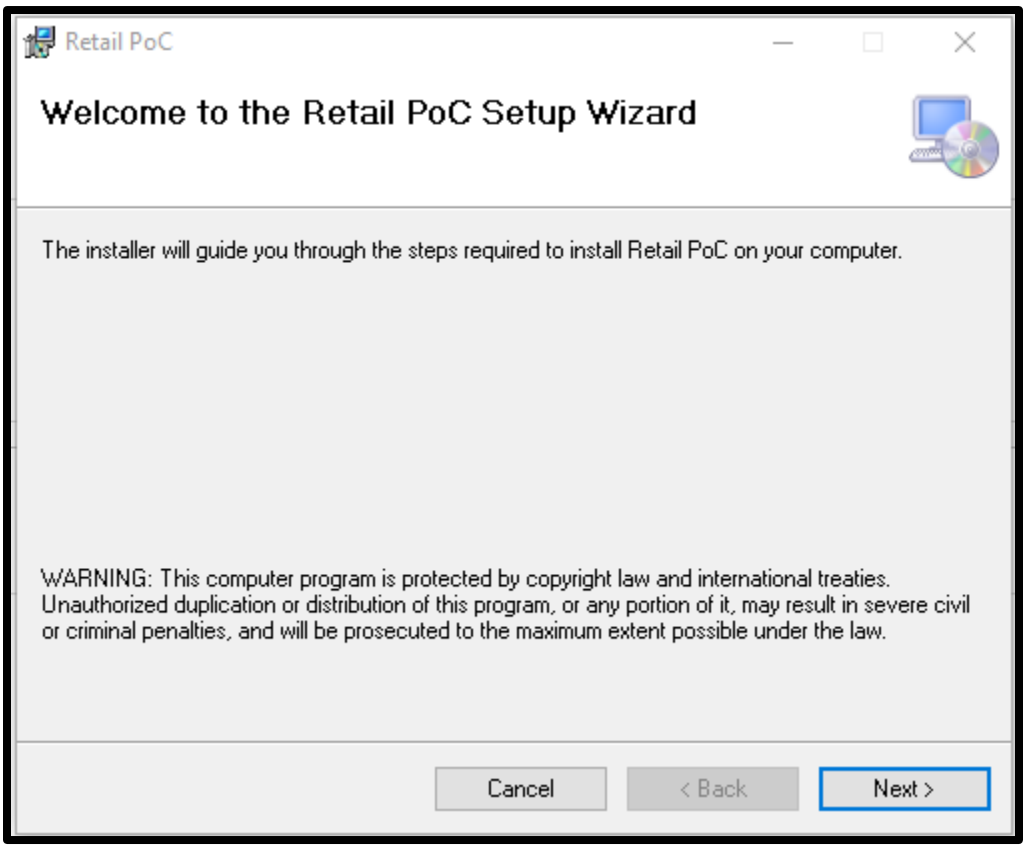
useAIble

Setting Up and Installation

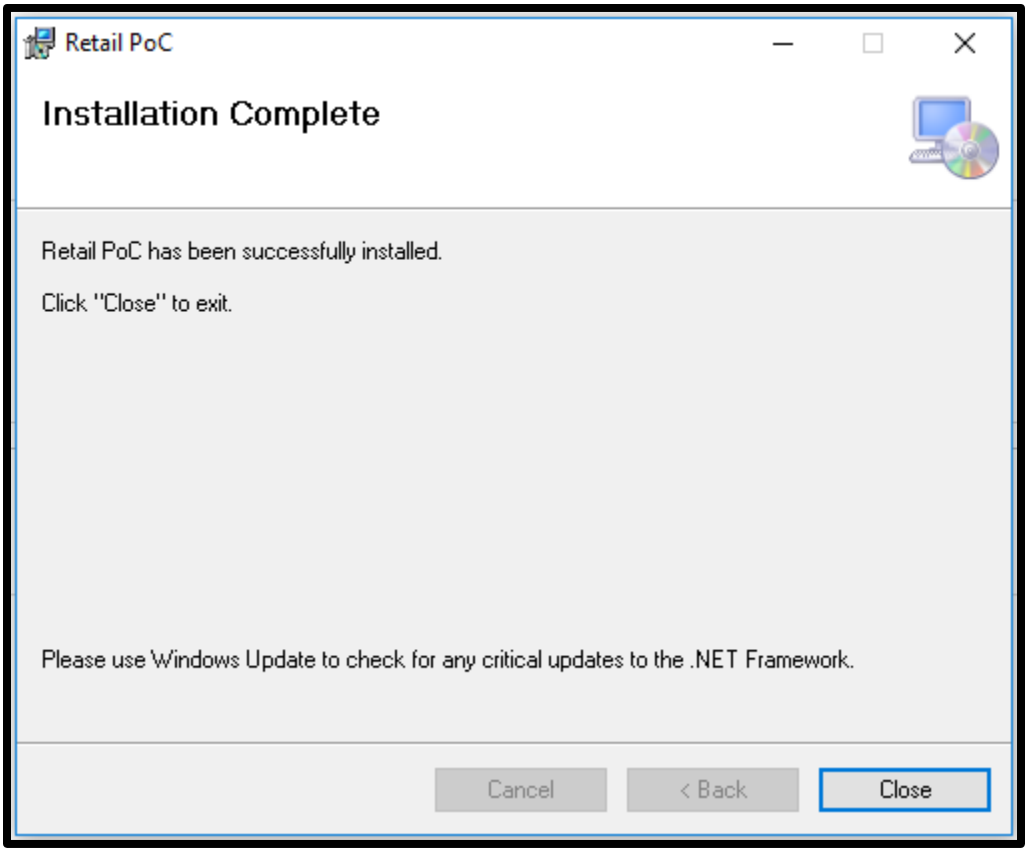
A zip file will be sent for setting up the IBM Proof of Concept application. After extracting the files, click the setup application to start the setup process.



A setup wizard will guide you through the steps required to install IBM Proof of Concept application on your computer.

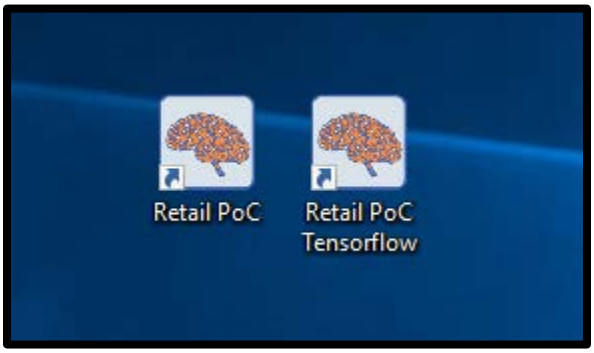


You will be notified when a successful installation has been compeleted.

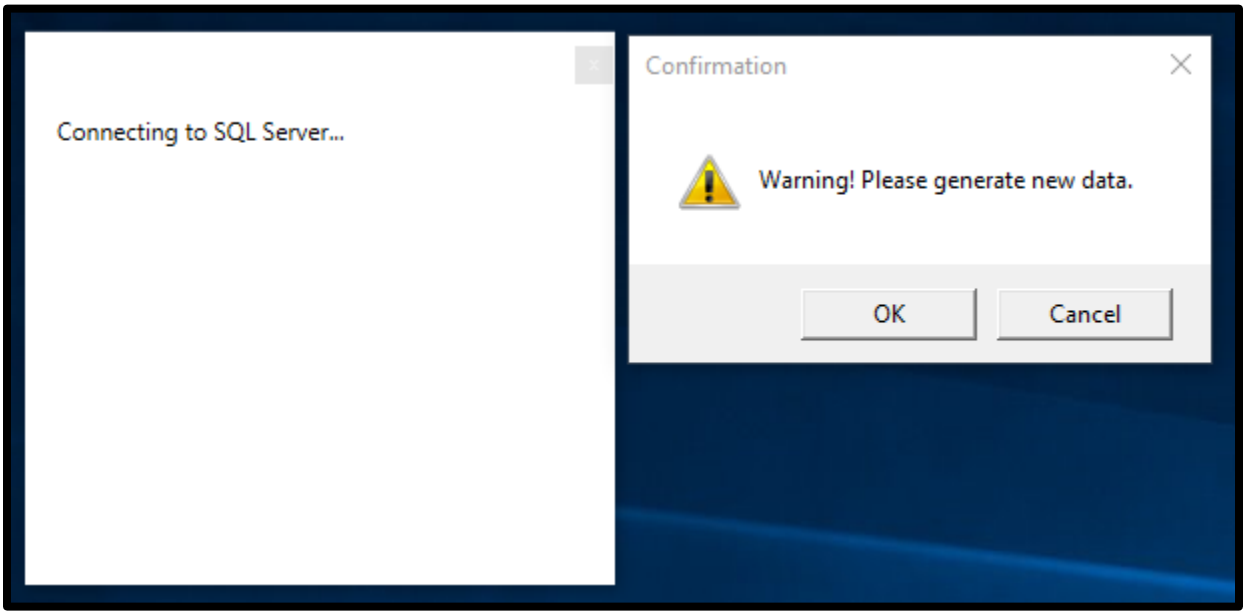


Running IBM Proof of Concept Application

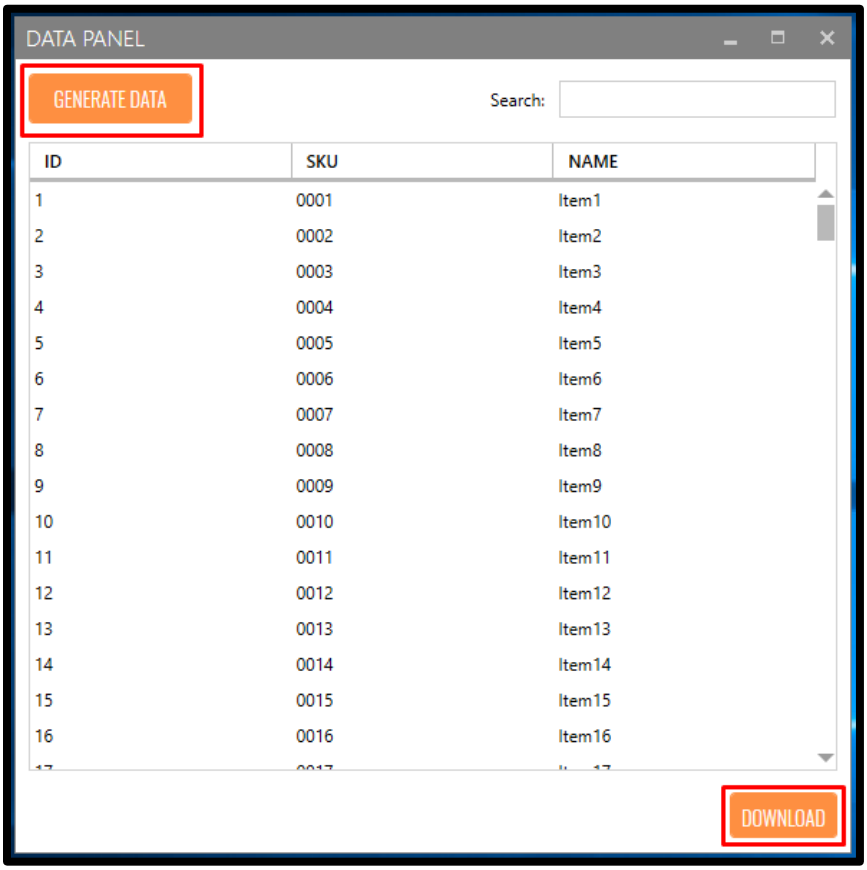
After installation, a desktop shortcut icon will be shown in your computer. Look for Retail PoC shortcut icon.



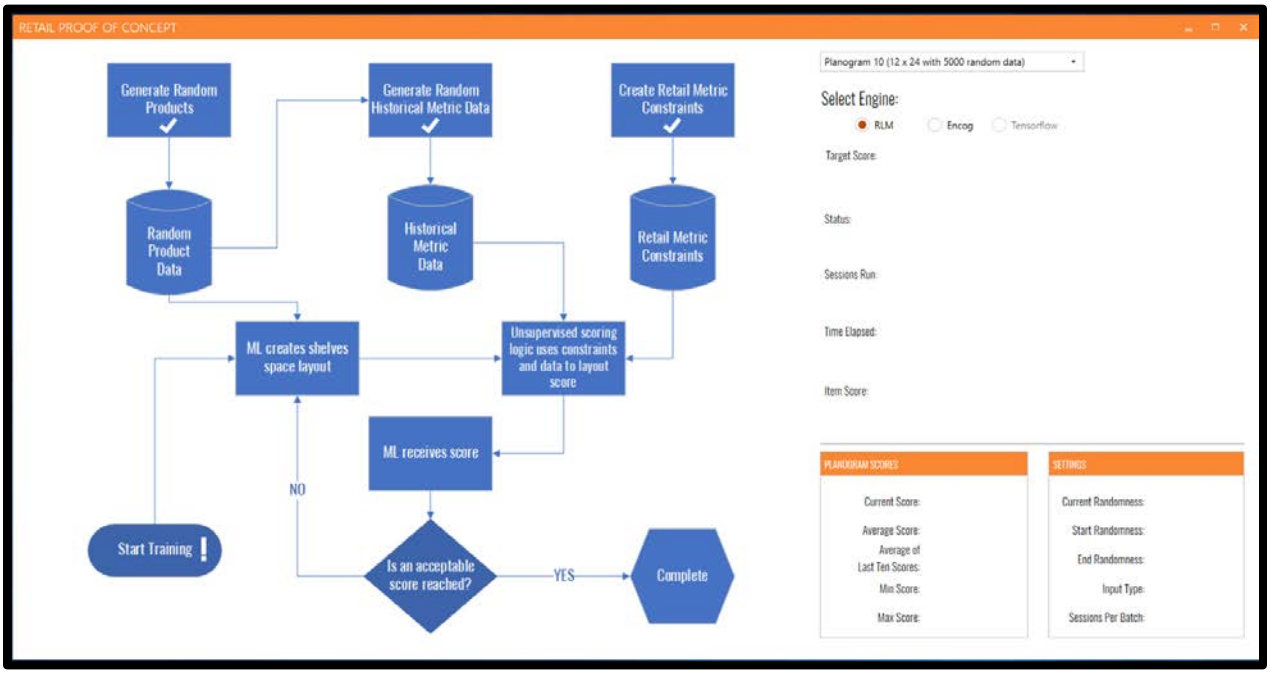
For first time users, the app will prompt you to generate new data. Click OK to go the Data Panel window.



Click on Generate Data. An option to download data is also available.

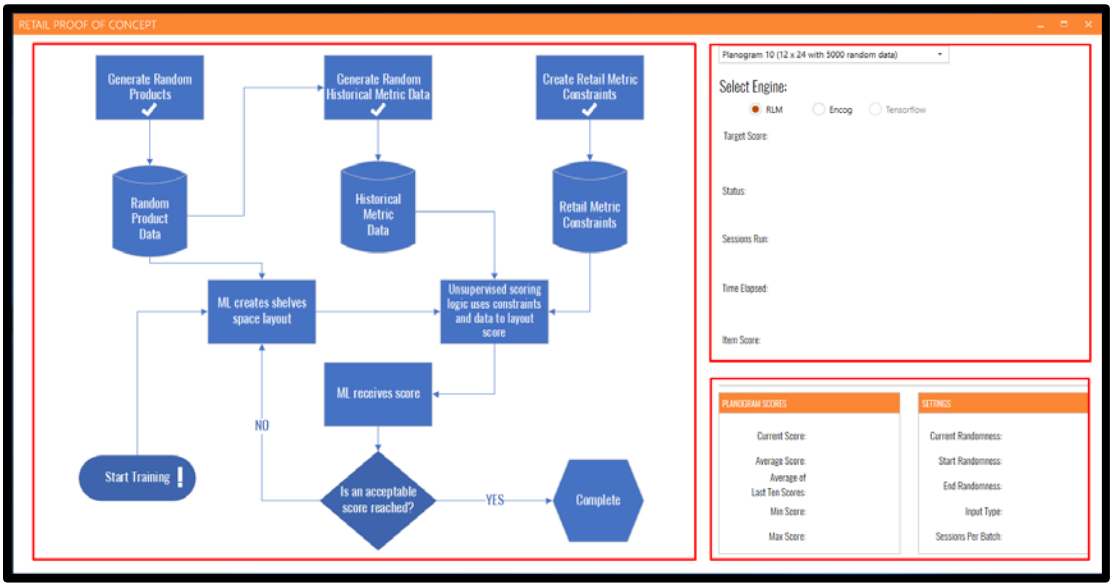


Once data has been generated, close the data panel window and it will bring you to the main window of the IBM Proof of Concept application.



Knowing the Interface

Main window is divided into 3 parts. The flowchart, engine settings and visualization table shown below.



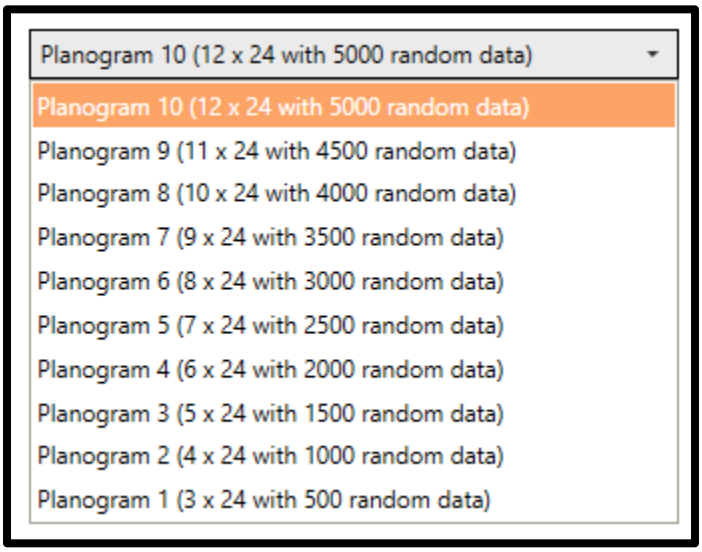
The flowchart shows the flow of the data simulation process. Some processes can be clicked when the app is running.

The upper right part shows the settings for the data types and engines.

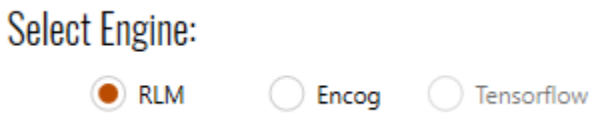
The visualization table on the lower right shows the used settings and current statistics for the engine.

Running the Simulation

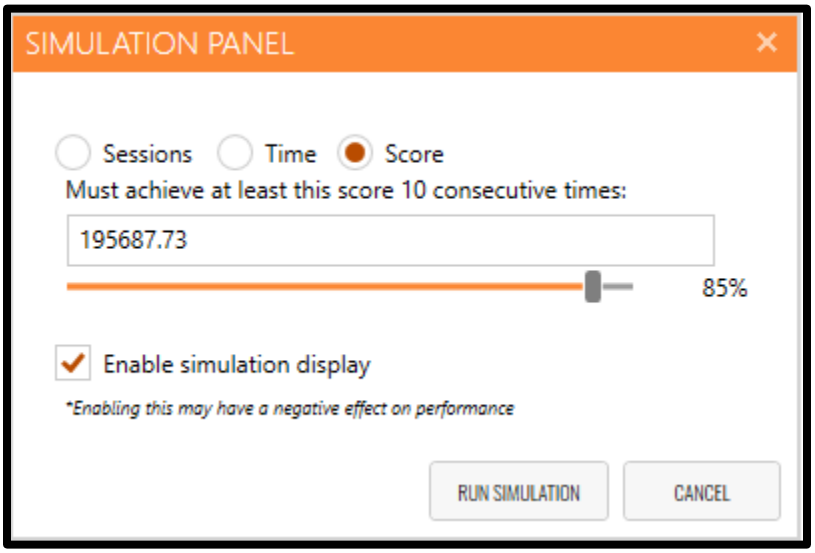
Choose what type of data size you want to use. By default, it is set to Planogram 10 (12x24 with 5000 random data).



Next, select what type of Engine to use. RLM and Encog will run in one application while Tensorflow will run in a separate application.*

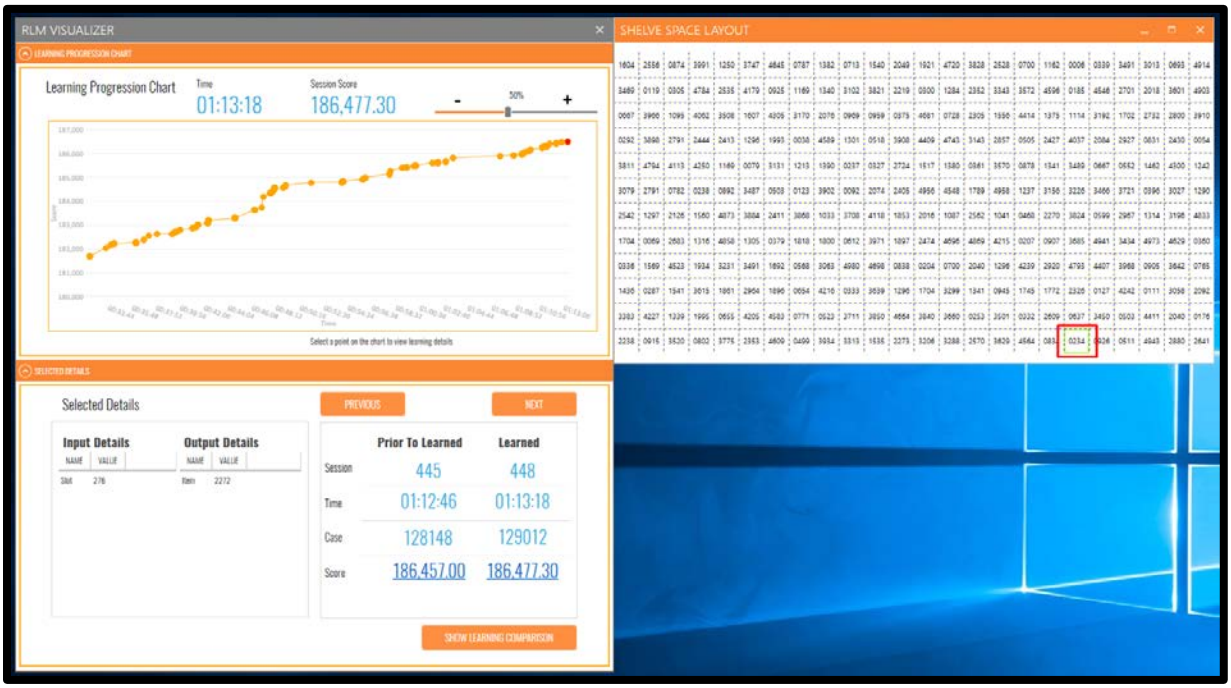


Click on Start Training on the flowchart to start the simulation. It will bring up the Simulation Panel window where you can customize the settings of your choice.



RLM Visualizer

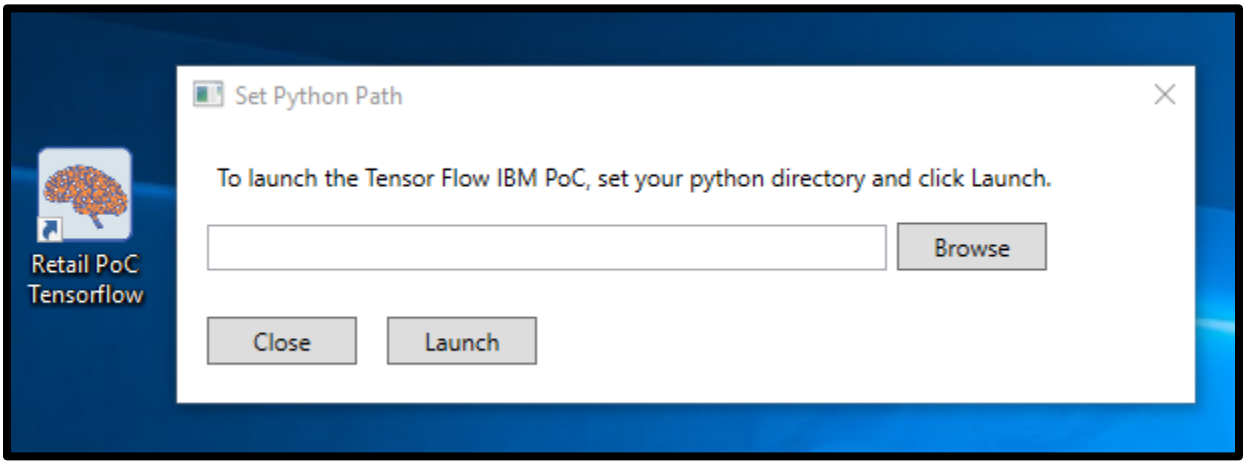
Clicking the SKU numbers in the Shelve Space Layout window (which is also accessible by clicking on the ML creates shelves space layout process in the flowchart) will bring up the RLM Visualizer. The latter shows all the learning events for the RLM.



*Running Tensorflow

The Tensorflow version for the Proof of Concept has been made with Python. So at the moment, we're only able to launch the application through Python.

To run the application, click on the Retail PoC Tensorflow desktop shortcut. It will bring the following window.



Install Python in your computer to run Tensorflow. You will need Python 3.5 and some of its libraries installed through Pip:

- pythonnet
- tensorflow
- pypiwin32