**Pivots and Filters**

## **Objective**

The object of this lab is to give you some introductory experience in using a Jupyter notebook to

* Load in a csv file into a pandas DataFrame
* Display some data contained in the DataFrame
* Create some filters to derive more selective information from the DataFrame
* Plot a bar chat of some filtered data

## **Create a new notebook**

Import the libraries

* pandas
* numpy
* matplotlib.pyplot

## **Load csv file**

Load in csv file ***../Data/Adidas\_Stores.csv*** into a pandas DataFrame and familiarize yourself with the type of data it contains.

Display the first 5 and last 5 rows of data

Describe the DataFrame.

Transpose the Describe method.

## **Find the following**

How many distinct Brands, Locations, Provinces, Asset Types are contained in the DataFrame?

What are the names of the distinct Brands and Asset Types?

## **Using Filters**

How many stores in China?

How many Factories have more than 500 workers?

List all Asset Types, Cities and Brands for Assets in United States, Vietnam and China.