

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 chart 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.
