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option b - data processing 1

# Summaries of Environment Set Up

# Requirements

## Virtual Environment

* Google Colab
* Jupyter Notebook

## Decencies

* numpy
* matplotlib
* mplfinance
* pandas
* scikit-learn
* pandas-datareader
* yfinance

# Installation

\*Note: Anaconda is required unless Google Collab is being used

## Anaconda/Virtual Environment

1. Download Anaconda: Go to the Anaconda website (https://www.anaconda.com/products/distribution) and download the appropriate version for your operating system.
2. Install Anaconda: Follow the installation instructions for the OS from the Anaconda website.
3. Open Anaconda Navigator: Launch Anaconda Navigator from your installed applications.
4. Create a New Environment (Required): Create a new environment to isolate Jupyter installation on each project. Click on "Environments" in Navigator and then "Create" to make a new environment.
5. Install Jupyter Notebook: In the selected environment, click on the environment name and select "Open Terminal". In the terminal, type: conda install jupyter.

## Dependencies

In Google Colab or Jupyter Notebook, it can directly install the required dependencies using the !pip command in code cells. Here's an example of how to install the dependencies:

**!pip install <package> or !pip install -r <text file>**

# Data Processing 1