Author and company name with crop mark graphicTitle and subtitle with crop mark graphicColor background

[**Requirements 3**](#_heading=h.ie6tfxh1bs8u)

[Virtual Environment 3](#_heading=h.osr64k4tm1pd)

[Decencies 3](#_heading=h.fafud2ecg7hj)

[**Installation 3**](#_heading=h.msec6dkp5ggo)

[Anaconda/Virtual Environment 3](#_heading=h.ucg3mrddm0gx)

[Dependencies 3](#_heading=h.7vmmtmji1e6c)

[**Data Processing 2 4**](#_heading=h.xu6sg3f9u4x4)

[ensure\_directory\_exist 4](#_heading=h.rjy2wsme3ddc)

# Requirements

## Virtual Environment

· Google Colab

· Jupyter Notebook

## Decencies

· numpy

· matplotlib

· mplfinance

· pandas

· scikit-learn

· pandas-datareader

· yfinance

· pandas\_ta

# 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 2

## ensure\_directory\_exist