Practice #6: Data collection (2/2): Web scrapping: Google news

Example:

The goal is to predict the stock price using past stock prices and other information available online.

In this practice, you will get online information about your company. The most efficient way to do that is to check a news search engine about your company.

The objective is to study if a link can be made between the stock market price fluctuations and the number of articles speaking about the company.

The practice can be done with any interpreter (VSCode, Jupyter, Spyder, Pycharm, …).

Steps:

1. **Get the soup**
   - Import requests and BeautifulSoup
   - Make a request to google news ("https://news.google.com/search?q=apple", if your company is apple)
   - Create the soup

2. **Analyse the soup**
   - Use the BeautifulSoup functions to print:
     - The titles of articles
     - The link of articles (it looks like: "./articles/…")
     - The date of articles in a string ("5 hours ago" for example)

3. **Create the dataframe from it**
   - Change the following data:
     - Hours strings into datetime object
     - Links like "./articles/…" into links after redirection (make a request a check the final address)
   - Make a dataframe from your data:

Index	Title	Link	Date_and_time
1	..		
…			
99			