## Milestone 1 Acquisition of Data

WQD7005 – DATA MINING

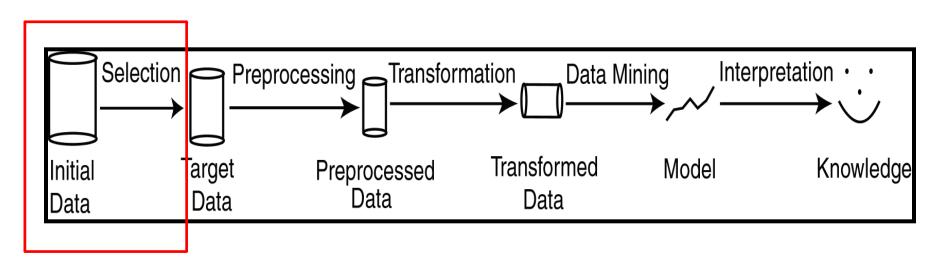
Zulkanain Bin Hasan WQD180031

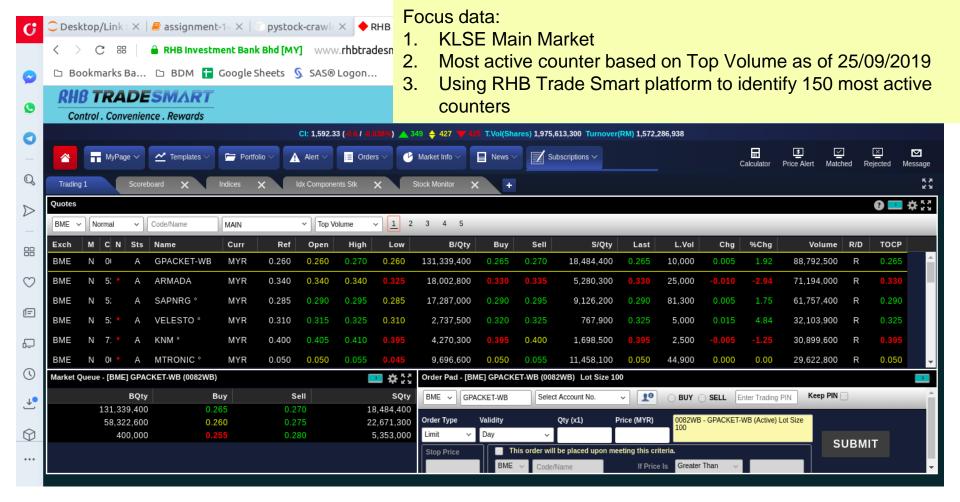
Group Member: WQD170072 Nur Athirah Bt. Razak

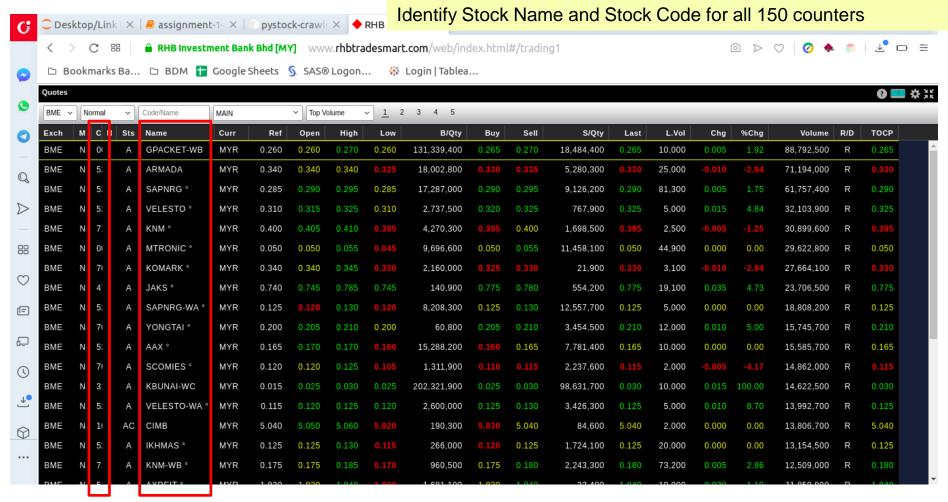
Knowledge Discovery in Databases (KDD): process of finding useful information and patterns in data:

1. Selection (Pre-Mining 1): Obtain data from various sources

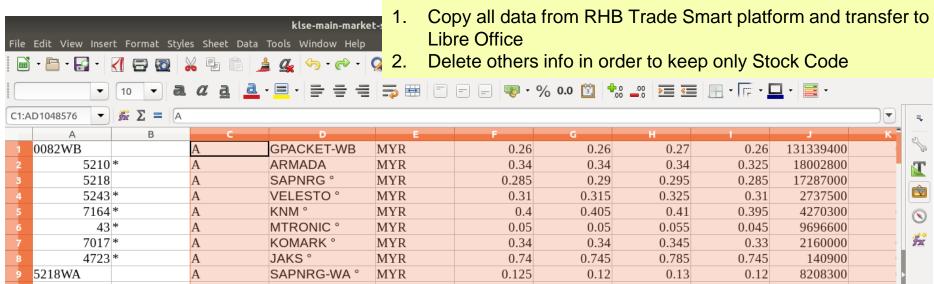
Milestone 1







Stock Code Stock Name







- https://finance.yahoo.com/quote/%5EKLSE/components?p=%5EK
- yahoo! Search for news, symbols or companies

Identify Stock Code for KLSE Components at Yahoo Finance website

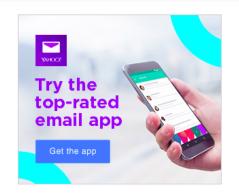
Found that all KLSE Components Code save as 'xxxx.KL' in Yahoo Finance website

Finance Home Watchlists My Portfolio Screeners Premium Markets Industries Videos News Personal Finance Tech

Currency in MYR

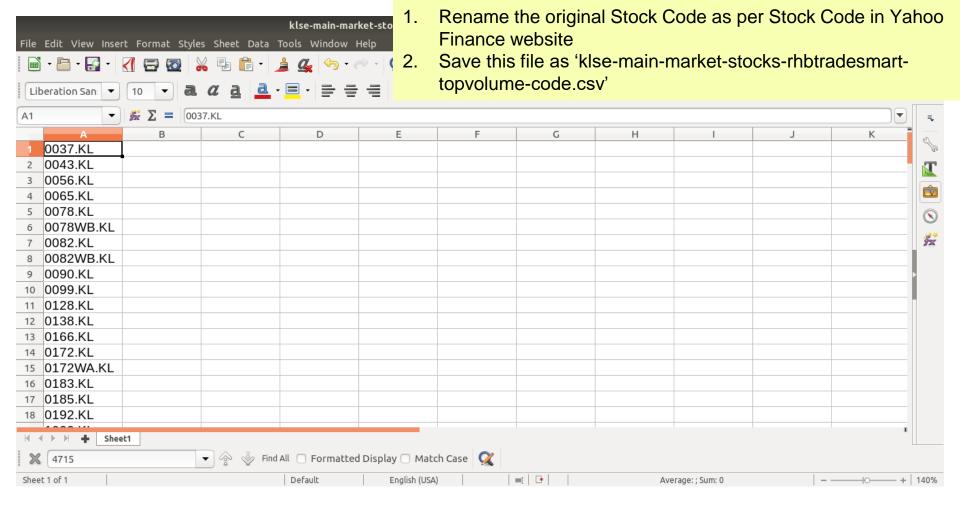
## **Top 30 Components**

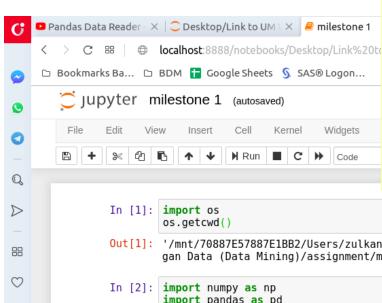
Symbol	Company Name	Last Price	Change	% Change	Volume
6947.KL	DiGi.Com Berhad	4.6900	0.0000	0.00%	2,428,000
5225.KL	IHH Healthcare Berhad	5.70	0.00	0.00%	1,429,100
3034.KL	Hap Seng Consolidated Berhad	9.85	0.00	0.00%	169,300
7113.KL	Top Glove Corporation Berhad	4.7300	0.0000	0.00%	4,735,200
4065.KL	PPB Group Berhad	18.22	0.00	0.00%	1,457,600
1082.KL	Hong Leong Financial Group Berhad	16.12	0.02	+0.12%	662,500
4707.KL	Nestlé (Malaysia) Berhad	145.50	0.20	+0.14%	211,300
8869.KL	Press Metal Bhd	4.8900	-0.0100	-0.20%	766,100
5681.KL	Petronas Dagangan Bhd	23.48	0.06	+0.26%	502,600
Waiting for apx.moa	MISC atads.com	7.72	-0.02	-0.26%	4,903,800







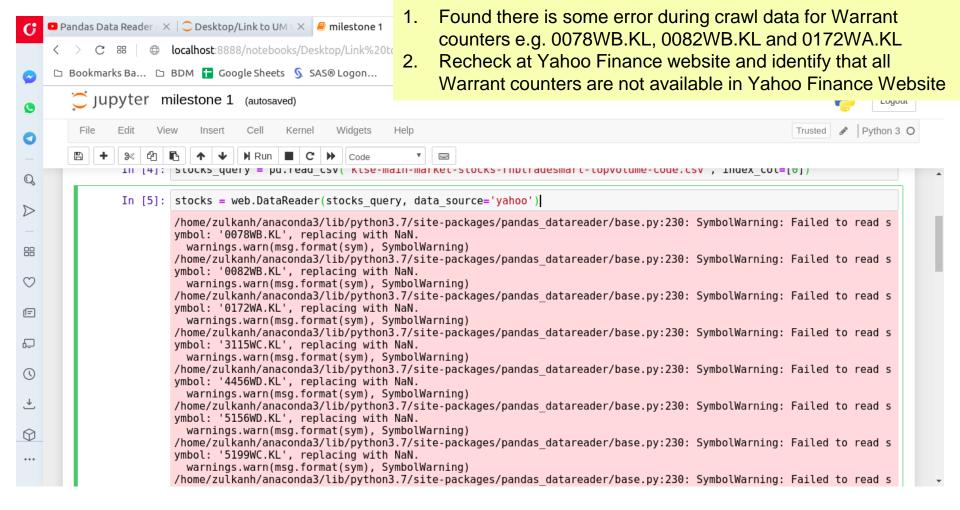


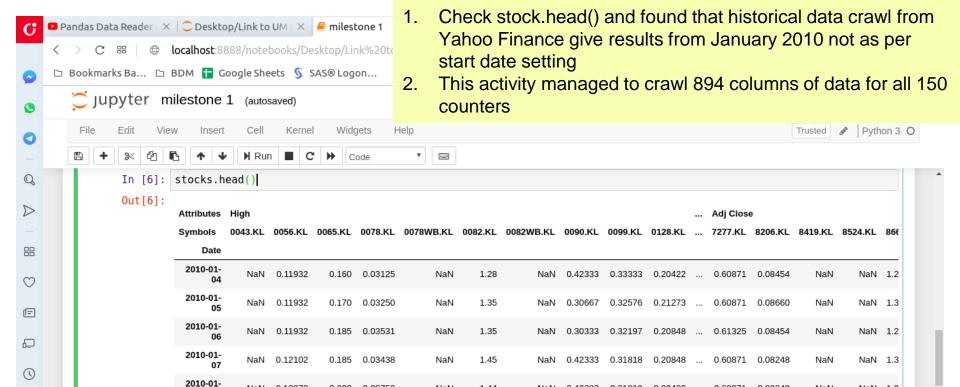


## **Python Script:**

- 1. Import pandas and pandas\_datareader packages in order to crawl data from Yahoo Finance website
- 2. Set date to crawl data (3 months) e.g. start = '2019-06-01', end = '2019-09-25'
- 3. Called previous 'klse-main-market-stocks-rhbtradesmarttopvolume-code.csv' in order to crawl data for all 150 counters

```
Out[1]: '/mnt/70887E57887E1BB2/Users/zulkanh/Downloads/UM WOD - SARJANA SAINS DATA/SEMESTER I, 2019 2020/WOD7005 Perlombon
        gan Data (Data Mining)/assignment/milestone 1'
        import pandas as pd
        import pandas datareader.data as web
In [31:
        start = '2019-06-01'
        end = '2019-09-25'
In [4]: | stocks query = pd.read csv('klse-main-market-stocks-rhbtradesmart-topvolume-code.csv', index col=[0])
In [5]: stocks = web.DataReader(stocks query, data source='yahoo')
        /home/zulkanh/anaconda3/lib/python3.7/site-packages/pandas datareader/base.py:230: SymbolWarning: Failed to read s
        ymbol: '0078WB.KL', replacing with NaN.
          warnings.warn(msg.format(sym), SymbolWarning)
        /home/zulkanh/anaconda3/lib/python3.7/site-packages/pandas datareader/base.py:230: SymbolWarning: Failed to read s
```





1.44

NaN

NaN

NaN 1.3

0.12273

5 rows x 894 columns

stocks.tail()

Out[71:

 $\Diamond$ 

0.200 0.03750

