

Mikes-MacBook-Air:Volatility Mike\$ python Main.py

## DOW JONES CLUSTER ANALYSIS

### DATES

Enter a starting date for the analysis:

Year: 2016

Month: 5

Day: 2

For the ending date:

How many days into the future: 8

### ANALYSIS SPECIFICATIONS

How many clusters would you like in the analysis?

Please enter an integer between 2 and 6: 2

The kmeans algorithm will be run a certain number of times

The clustering with the greatest frequency will be returned

How many time would you like to run it?

1000

### RESULTS

From 2016-05-02 to 2016-05-10 , the clustering:

['MMM', 'BA', 'KO', 'XOM', 'HD', 'IBM', 'JNJ', 'MCD', 'MSFT', 'PFE',  
'PG', 'TRV', 'UNH', 'VZ', 'V', 'WMT', 'DIS']

['AXP', 'AAPL', 'CAT', 'CVX', 'CSCO', 'DD', 'GE', 'GS', 'INTC', 'JPM',  
'MRK', 'NKE', 'UTX']

has frequency 1000 out of 1000

### VISUALIZATION

Would you like to see a visualization of the data?

Enter Y for yes or anything else for no: Y

Would you like to see the data represented in 2D, 3D or both?

Enter 2D, 3D or both: both