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Mikes-MacBook-Air:Volatility Mike$ python Main.py
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DOW JONES CLUSTER ANALYSIS

DATES

Enter a starting date for the analysis:

Year: 2015

Month: 5

Day: 4

For the ending date:

How many days into the future: 11

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 2015-05-04 to 2015-05-15 , the clustering:

```
['MMM', 'AXP', 'AAPL', 'BA', 'CAT', 'CSCO', 'KO', 'GE', 'GS', 'HD',  
'IBM', 'INTC', 'JNJ', 'JPM', 'MCD', 'MSFT', 'NKE', 'UNH', 'UTX', 'V',  
'WMT']
```

```
['CVX', 'DD', 'XOM', 'MRK', 'PFE', 'PG', 'TRV', 'VZ', 'DIS']
```

has frequency 995 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: 2D