FIND:ER

Second Seminar

: Python / Linear Regression

Jicheol Woo

Python

Life is short, use Python

Java

```
public static void main(String[] args){
    System.out.println(“Hello, World!”);
}
```

Python3

```
print(“Hello, World!”)
```

Python

Life is short, use Python

- No curry bracket ‘{‘
- Indentation (4 spaces or Tab)
- No ‘;’

```
if finder == True:
    print(“Hello, Finder!”)
```

Variables

Life is short, use Python

```
>> n = 10
>> n
10
>> type(n)
<type ‘int’>

>> str = ‘string’
>> type(str)
<type ‘str’>

>> int_from_string = int(’10’)
>> int_from_string
10
```

Comments

Life is short, use Python

```
# This is a single line comment

'''
Multi-line comments.
'''
```

Lists

Life is short, use Python

```
>> lst = [1,2,3]
>> lst
[1,2,3]
>> lst[2]
>> 3

>> my_list = [1,2,3,4,5,6,…,1000000]
>> my_list[999999]
>> 1000000

# Is there any other method to retrieve
the last element in the list?
```

Lists

Life is short, use Python

```
>> lst = [1,2,3]
>> lst.append(4)
>> lst
>> [1,2,3,4]
>> lst.insert(0, 100)
>> lst
>> [100,1,2,3,4]
```

If Statement

Life is short, use Python

```
>> cond = 10
>> if cond < 10:
>>     print(“less than 10”)
>> elif cond = 10:
>>     print(“exactly 10”)
>> else:
>>     print(“above 10”)
exactly 10
```

for loop

Life is short, use Python

```
for i in range(5):
    print(i)

0
1
2
3
4

for _ in range(3):
    print(“Hello, Finder”)

Hello, Finder
Hello, Finder
Hello, Finder
```

List Comprehension

Life is short, use Python

```
>> my_list = [1,2,3,4,5,6,7,8]
>> even_list = [n for n in my_list if n % 2 == 0]
>> even_list
[2,4,6,8]
```

Function

Life is short, use Python

```
>> def finder(a,b):
>>     return a+b

>> finder(3,4)
7
```

Data Mining

Life is short, use Python

Jupyter Notebook

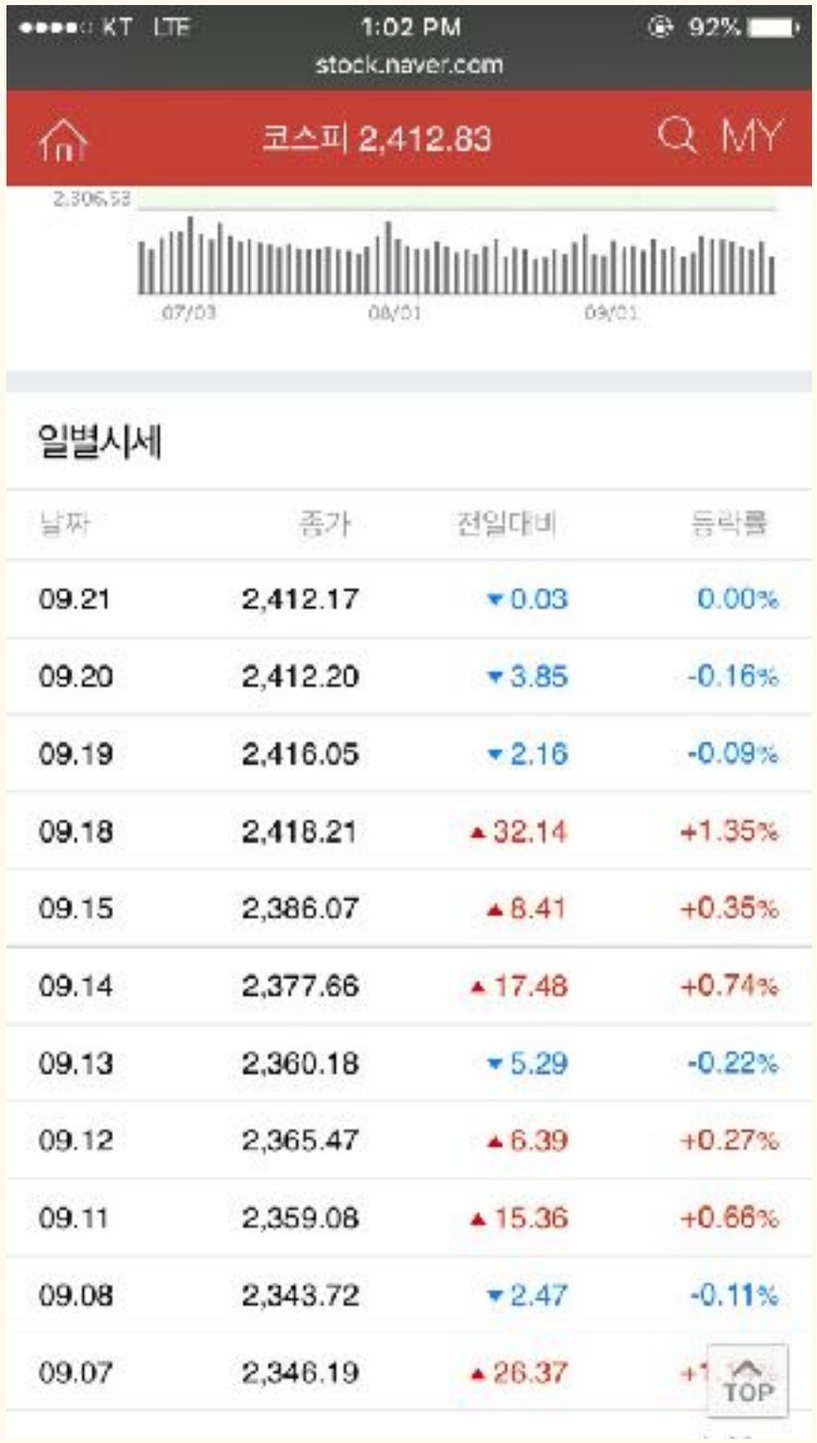
Life is short, use Python

```
> jupyter notebook
```

Stock data

Life is short, use Python

```
“http://www.google.com/finance/historical?q=KRX%3AKOSPI&output=csv"
```


KT LTE
1:02 PM
92%
stock.naver.com
코스피 2,412.83
MY
2,306.53
07/03
08/01
09/01
일별시세
날짜 종가 전일대비 등락률
09.21 2,412.17 ▼0.03 0.00%
09.20 2,412.20 ▼3.85 -0.16%
09.19 2,416.05 ▼2.16 -0.09%
09.18 2,418.21 ▲32.14 +1.35%
09.15 2,386.07 ▲8.41 +0.35%
09.14 2,377.66 ▲17.48 +0.74%
09.13 2,360.18 ▼5.29 -0.22%
09.12 2,365.47 ▲6.39 +0.27%
09.11 2,359.08 ▲15.36 +0.66%
09.08 2,343.72 ▼2.47 -0.11%
09.07 2,346.19 ▲26.37
TOP


KT LTE
1:05 PM
91%
google kospi
KOSPI
KOSPI (KRX)
2,410.85 ▼1.35 (0.06%)
Sep 21, 12:45 PM GMT+9 · Disclaimer
1 D 5 D 1 M 1 Y 5 Y MAX
2,414.01 Wed, Sep 20 3:00 PM
2,420
2,400
2,380
2,360
Sep 18
Sep 21
Open 2,412.01
High 2,415.13
Low 2,401.69
Mkt cap -
P/E ratio -
Div yield -
+ Compare with a share or index


KT LTE
1:04 PM
91%
google kospi
KOSPI
KOSPI (KRX)
2,410.25 ▼1.95 (0.08%)
Sep 21, 12:44 PM GMT+9 · Disclaimer
1 D 5 D 1 M 1 Y 5 Y MAX
2,420.82 Wed, Sep 20 9:00 AM
2,420
2,400
2,380
2,360
Sep 18
Sep 21
Open 2,412.01
High 2,415.13
Low 2,401.69
Mkt cap -
P/E ratio -
Div yield -
+ Compare with a share or index

Thank you

Life is short, use Python