

In [72]:

```
import pandas as pd
import pandas_datareader as pdr
import matplotlib.pyplot as plt
import numpy as np
import matplotlib.pyplot as plt
```

In [73]:

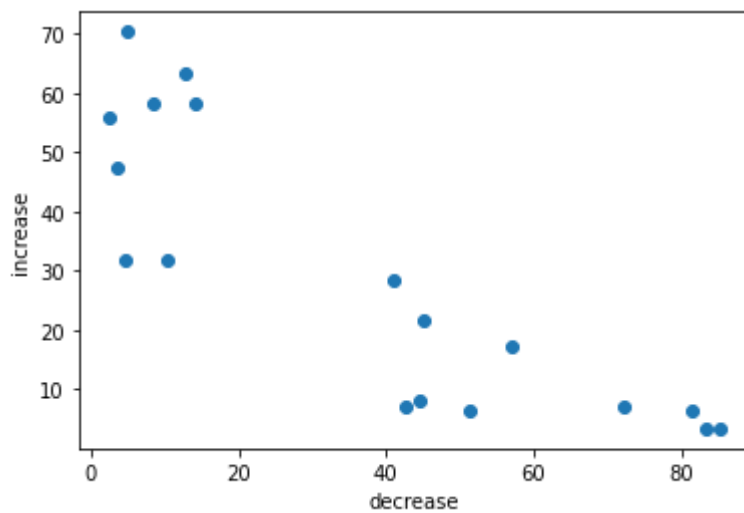
```
df = pd.read_csv('한국언론진흥재단_코로나19이후국민의일상변화조사_코로나19 이후 일상 활동 변화_20201
df
```

Out[73]:

	항목	사례수	감소	증가	변화 없음
0	여행	933	85.1	3.4	11.5
1	공연·예술·극장	932	83.3	3.5	13.2
2	오프라인 사교활동	962	81.5	6.3	12.2
3	오프라인 쇼핑	987	72.1	7.2	20.7
4	외식	997	57.0	17.1	25.9
5	종교활동	643	51.3	6.5	42.2
6	운동	961	45.1	21.7	33.2
7	대면학습	643	44.6	8.1	47.3
8	수입 노동	918	42.7	7.0	50.3
9	온라인 사교활동	925	41.0	28.5	30.5
10	배달음식 주문	971	14.0	58.3	27.7
11	온라인 쇼핑	986	12.7	63.2	24.1
12	학습·공부	776	10.4	31.7	57.9
13	직접 요리	988	8.4	58.3	33.3
14	미디어 이용	989	4.8	70.3	24.9
15	재택근무	671	4.5	31.9	63.6
16	원격학습	661	3.5	47.2	49.3
17	가사노동	958	2.5	55.7	41.8

In [92]:

```
plt.scatter(df.감소, df.증가)  
plt.xlabel('decrease')  
plt.ylabel('increase')  
plt.show()
```



In [35]:

```
kakao = pdr.get_data_yahoo('035720.KS')
kakao
```

Out[35]:

	High	Low	Open	Close	Volume	Adj Close
Date						
2016-05-11	21260.0	20160.0	20300.0	21140.0	3599510.0	21019.701172
2016-05-12	21580.0	20800.0	20860.0	21260.0	2796810.0	21139.017578
2016-05-13	21180.0	20660.0	21140.0	20760.0	1304305.0	20641.863281
2016-05-16	21240.0	20480.0	20620.0	21080.0	1222935.0	20960.042969
2016-05-17	21240.0	20820.0	20900.0	21020.0	999165.0	20900.384766
...	...	...	...	...	...	...
2021-05-03	116000.0	110000.0	112500.0	114500.0	2832622.0	114500.000000
2021-05-04	116000.0	112000.0	113500.0	115500.0	2228466.0	115500.000000
2021-05-06	117500.0	113500.0	115000.0	115000.0	3234424.0	115000.000000
2021-05-07	117000.0	114000.0	115500.0	114500.0	2040844.0	114500.000000
2021-05-10	116500.0	114500.0	115500.0	116000.0	1875031.0	116000.000000

1222 rows × 6 columns

In [36]:

```
samsung = pdr.get_data_yahoo('005930.KS')
samsung
```

Out[36]:

	High	Low	Open	Close	Volume	Adj Close
Date						
2016-05-11	25980.0	25740.0	25920.0	25840.0	8834400.0	22368.929688
2016-05-12	25840.0	25500.0	25840.0	25620.0	7615100.0	22178.476562
2016-05-13	25620.0	25020.0	25620.0	25060.0	12284900.0	21693.703125
2016-05-16	25260.0	24940.0	25060.0	24960.0	11720150.0	21607.138672
2016-05-17	25300.0	24980.0	24980.0	25280.0	9183550.0	21884.154297
...	...	...	...	...	...	...
2021-05-03	82400.0	81000.0	81000.0	81700.0	15710336.0	81700.000000
2021-05-04	82600.0	81800.0	81900.0	82600.0	12532550.0	82600.000000
2021-05-06	82300.0	81700.0	81700.0	82300.0	17047511.0	82300.000000
2021-05-07	82100.0	81500.0	81800.0	81900.0	14154882.0	81900.000000
2021-05-10	83500.0	81800.0	82300.0	83200.0	19291167.0	83200.000000

1222 rows × 6 columns

In [38]:

```
kakao['Close'].plot(color = 'pink')  
samsung['Close'].plot()
```

Out[38]:

<AxesSubplot: xlabel='Date'>

