

Untitled1

January 4, 2020

```
[1]: import eikon as ek
      from IPython.core.display import display

      ek.set_app_key('3d5752f7b4b542319a6c6355dc7b4d0733eae6cf')
```

```
[2]: df, err = ek.get_data(
      instruments = ['GOOG.O', 'MSFT.O', 'FB.O'],
      fields = ['BID', 'ASK']
      )
      display(df)
```

	Instrument	BID	ASK
0	GOOG.O	1358.60	1361.45
1	MSFT.O	158.64	158.70
2	FB.O	208.60	208.70

```
[3]: df, err = ek.get_data(
      instruments = ['GOOG.O', 'MSFT.O', 'FB.O'],
      fields = ['TR.LegalAddressCity', 'TR.LegalAddressLine1', 'TR.Employees']
      )
      display(df)
```

	Instrument	Legal Address City	Legal Address Line 1 \
0	GOOG.O	WILMINGTON	251 Little Falls Dr
1	MSFT.O	TUMWATER	300 Deschutes Way SW Ste 304
2	FB.O	WILMINGTON	251 Little Falls Dr

	Full-Time Employees
0	98771
1	144000
2	35587

```
[85]: a = ek.get_timeseries('GOOG.O',
      ↪ interval='minute', start_date="2019-01-20", end_date="2019-07-04")

      a.shape
```

```
[85]: (50000, 6)
```

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[78]:
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```
[78]: Date
2019-02-20 13:09:00    1117.0100
2019-02-20 13:17:00    1118.0000
2019-02-20 13:32:00    1117.8400
2019-02-20 13:37:00    1117.9900
2019-02-20 13:38:00    1118.0000
...
2019-07-03 20:06:00    1121.8900
2019-07-03 20:10:00    1121.0000
2019-07-03 20:21:00    1111.7507
2019-07-03 20:23:00    1121.5800
2019-07-03 20:39:00    1121.0000
Name: HIGH, Length: 50000, dtype: float64
```

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[ ]:
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[86]: a.describe()
```

```
[86]: GOOG.O          HIGH          LOW          OPEN          CLOSE          COUNT \
count    49689.000000    49689.000000    49689.000000    49689.000000    50000.000000
mean      1154.506741     1153.636951     1154.082867     1154.075400      63.614540
std        56.294880       56.325103       56.298104       56.299103      95.710423
min       1025.950000     1015.000000     1025.480000     1025.110000     -1.000000
25%       1110.800000     1110.000000     1110.400000     1110.380000     11.000000
50%       1159.040000     1158.140000     1158.580000     1158.574700     43.000000
75%       1195.500000     1194.841900     1195.136200     1195.160000     80.000000
max       1289.479000     1288.160000     1289.060100     1289.264200    4334.000000
```

```
GOOG.O          VOLUME
count    49993.000000
mean      2782.142980
std       8997.528092
min         1.000000
25%       250.000000
50%      1411.000000
75%      3010.000000
max     522800.000000
```

```
[88]: df, err = ek.get_data(['GOOG.O', 'MSFT.O', 'FB.O'], [ 'TR.Revenue', 'TR.
↪GrossProfit'])
df
```

```
[88]: Instrument      Revenue  Gross Profit
0     GOOG.O  136819000000  77270000000
1     MSFT.O  125843000000  82933000000
2       FB.O   55838000000  46483000000
```

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[ ]:
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