
efinance

Release 0.3.5

micro sheep

Aug 15, 2021

GETTING STARTED

1	Installation	3
2	Examples	5
2.1	Stock	5
2.2	Fund	10
2.3	Bond	11
2.4	Futures	13
3	Docs	17
4	Contact	19
5	Changelog	21
5.1	v0.3.5 (2021-08-15)	21
5.2	v0.3.4 (2021-08-08)	21
5.3	v0.3.3 (2021-08-08)	21
5.4	v0.3.2 (2021-08-08)	22
5.5	v0.3.1 (2021-08-05)	22
5.6	v0.3.0 (2021-08-03)	22
	Python Module Index	55
	Index	57

efinance Python

- [Source Code](#)
 - [Docs](#)
 - [Changelog](#)
-

INSTALLATION

- pip

```
pip install efinance
```

- pip

```
pip install efinance --upgrade
```

-

```
git clone https://github.com/Micro-sheep/efinance  
cd efinance  
pip install -e .
```


EXAMPLES

2.1 Stock

- K

```
>>> import efinance as ef
>>> #
>>> stock_code = '600519'
>>> ef.stock.get_quote_history(stock_code)
```

0	600519	2001-08-27	-89.74	-89.53	-89.08	-90.07	406318.0	1.410347e+09	-
→1.10	0.92	0.83	56.83						
1	600519	2001-08-28	-89.64	-89.27	-89.24	-89.72	129647.0	4.634630e+08	-
→0.54	0.29	0.26	18.13						
2	600519	2001-08-29	-89.24	-89.36	-89.24	-89.42	53252.0	1.946890e+08	-
→0.20	-0.10	-0.09	7.45						
3	600519	2001-08-30	-89.38	-89.22	-89.14	-89.44	48013.0	1.775580e+08	-
→0.34	0.16	0.14	6.72						
4	600519	2001-08-31	-89.21	-89.24	-89.12	-89.28	23231.0	8.623100e+07	-
→0.18	-0.02	-0.02	3.25						
...
→
4756	600519	2021-07-23	1937.82	1900.00	1937.82	1895.09	47585.0	9.057762e+09	└
→2.20	-2.06	-40.01	0.38						
4757	600519	2021-07-26	1879.00	1804.11	1879.00	1780.00	98619.0	1.789436e+10	└
→5.21	-5.05	-95.89	0.79						
4758	600519	2021-07-27	1803.00	1712.89	1810.00	1703.00	86577.0	1.523081e+10	└
→5.93	-5.06	-91.22	0.69						
4759	600519	2021-07-28	1703.00	1768.90	1788.20	1682.12	85369.0	1.479247e+10	└
→6.19	3.27	56.01	0.68						
4760	600519	2021-07-29	1810.01	1740.00	1823.00	1734.34	51035.0	9.067345e+09	└
→5.01	-1.63	-28.90	0.41						

[4761 rows x 13 columns]

- A K

```
>>> import efinance as ef
>>> #
>>> stock_code = 'AAPL'
>>> ef.stock.get_quote_history(stock_code)
```

(continues on next page)

(continued from previous page)

```

0      AAPL  1984-09-07  -5.37  -5.37  -5.36  -5.37  2981600.0  0.000000e+00  0.
↪00  0.00  0.00  0.02
1      AAPL  1984-09-10  -5.37  -5.37  -5.36  -5.37  2346400.0  0.000000e+00 -0.
↪19  0.00  0.00  0.01
2      AAPL  1984-09-11  -5.36  -5.36  -5.36  -5.36  5444000.0  0.000000e+00  0.
↪00  0.19  0.01  0.03
3      AAPL  1984-09-12  -5.36  -5.37  -5.36  -5.37  4773600.0  0.000000e+00 -0.
↪19 -0.19 -0.01  0.03
4      AAPL  1984-09-13  -5.36  -5.36  -5.36  -5.36  7429600.0  0.000000e+00  0.
↪00  0.19  0.01  0.04
...
↪...
8739   AAPL  2021-07-22  145.94  146.80  148.19  145.81  77338156.0  1.137623e+10  1.
↪64  0.96  1.40  0.47
8740   AAPL  2021-07-23  147.55  148.56  148.72  146.92  71447416.0  1.058233e+10  1.
↪23  1.20  1.76  0.43
8741   AAPL  2021-07-26  148.27  148.99  149.83  147.70  72434089.0  1.080774e+10  1.
↪43  0.29  0.43  0.44
8742   AAPL  2021-07-27  149.12  146.77  149.21  145.55  104818578.0  1.540140e+10  2.
↪46 -1.49 -2.22  0.63
8743   AAPL  2021-07-28  144.81  144.98  146.97  142.54  118931191.0  1.723188e+10  3.
↪02 -1.22 -1.79  0.72

[8744 rows x 13 columns]

>>> #
>>> stock_name = ''
>>> ef.stock.get_quote_history(stock_name)

0      MSFT  1986-03-13  -20.74  -20.73  -20.73  -20.74  1.031789e+09  0.000000e+00  0.
↪00  0.00  0.00  13.72
1      MSFT  1986-03-14  -20.73  -20.73  -20.73  -20.73  3.081600e+08  0.000000e+00  0.
↪00  0.00  0.00  4.10
2      MSFT  1986-03-17  -20.73  -20.73  -20.73  -20.73  1.331712e+08  0.000000e+00  0.
↪00  0.00  0.00  1.77
3      MSFT  1986-03-18  -20.73  -20.73  -20.73  -20.73  6.776640e+07  0.000000e+00  0.
↪00  0.00  0.00  0.90
4      MSFT  1986-03-19  -20.73  -20.73  -20.73  -20.73  4.789440e+07  0.000000e+00  0.
↪00  0.00  0.00  0.64
...
↪...
8357   MSFT  2021-07-22  283.84  286.14  286.42  283.42  2.338406e+07  6.677062e+09  1.
↪07  1.68  4.74  0.31
8358   MSFT  2021-07-23  287.37  289.67  289.99  286.50  2.276807e+07  6.578686e+09  1.
↪22  1.23  3.53  0.30
8359   MSFT  2021-07-26  289.00  289.05  289.69  286.64  2.317607e+07  6.685868e+09  1.
↪05 -0.21 -0.62  0.31
8360   MSFT  2021-07-27  289.43  286.54  289.58  282.95  3.360407e+07  9.599993e+09  2.
↪29 -0.87 -2.51  0.45
8361   MSFT  2021-07-28  288.99  286.22  290.15  283.83  3.356685e+07  9.638499e+09  2.
↪21 -0.11 -0.32  0.45

```

(continues on next page)

(continued from previous page)

[8362 rows x 13 columns]

- ETF K

```
>>> import efinance as ef
>>> # ETF ETF
>>> etf_code = '513050'
>>> ef.stock.get_quote_history(etf_code)
```

0	ETF	513050	2017-01-18	0.989	0.977	0.989	0.969	345605.0	3.381795e+07	0.
→00	0.00	0.000	0.26							
1	ETF	513050	2017-01-19	0.978	0.989	0.990	0.978	257716.0	2.542553e+07	1.
→23	1.23	0.012	0.19							
2	ETF	513050	2017-01-20	0.989	0.988	0.990	0.986	50980.0	5.043289e+06	0.
→40	-0.10	-0.001	0.04							
3	ETF	513050	2017-01-23	0.988	0.988	0.989	0.986	13739.0	1.356129e+06	0.
→30	0.00	0.000	0.01							
4	ETF	513050	2017-01-24	0.989	0.989	0.992	0.987	17937.0	1.774398e+06	0.
→51	0.10	0.001	0.01							
...
→
1097	ETF	513050	2021-07-23	1.789	1.760	1.789	1.758	4427623.0	7.836530e+08	1.
→73	-1.51	-0.027	3.32							
1098	ETF	513050	2021-07-26	1.679	1.645	1.698	1.642	13035366.0	2.182816e+09	3.
→18	-6.53	-0.115	9.78							
1099	ETF	513050	2021-07-27	1.600	1.547	1.620	1.546	14269546.0	2.257610e+09	4.
→50	-5.96	-0.098	10.70							
1100	ETF	513050	2021-07-28	1.545	1.552	1.578	1.506	13141023.0	2.024106e+09	4.
→65	0.32	0.005	9.85							
1101	ETF	513050	2021-07-29	1.615	1.641	1.651	1.606	10658041.0	1.734404e+09	2.
→90	5.73	0.089	7.99							

[1102 rows x 13 columns]

- 5 K

```
>>> import efinance as ef
>>> #
>>> stock_code = '600519'
>>> # 5
>>> frequency = 5
>>> ef.stock.get_quote_history(stock_code, klt=frequency)
```

0	600519	2021-06-16 09:35	2172.71	2159.71	2175.71	2150.74	1885.0	411159309.
→0	1.15	-0.64	-14.00	0.02				
1	600519	2021-06-16 09:40	2156.69	2148.71	2160.48	2143.37	1238.0	268790684.
→0	0.79	-0.51	-11.00	0.01				
2	600519	2021-06-16 09:45	2149.79	2159.71	2160.69	2149.79	706.0	153631002.
→0	0.51	0.51	11.00	0.01				
3	600519	2021-06-16 09:50	2159.61	2148.87	2159.71	2148.87	586.0	127346502.
→0	0.50	-0.50	-10.84	0.00				

(continues on next page)

(continued from previous page)

```

4      600519 2021-06-16 09:55 2148.87 2161.04 2163.71 2148.72 788.0 171491075.
↪0 0.70 0.57 12.17 0.01
...
↪ ...
1521    600519 2021-07-29 13:50 1746.51 1746.09 1748.95 1746.01 738.0 128889575.
↪0 0.17 -0.09 -1.49 0.01
1522    600519 2021-07-29 13:55 1746.08 1742.01 1746.09 1741.96 831.0 144968679.
↪0 0.24 -0.23 -4.08 0.01
1523    600519 2021-07-29 14:00 1742.00 1739.58 1742.00 1739.58 864.0 150446840.
↪0 0.14 -0.14 -2.43 0.01
1524    600519 2021-07-29 14:05 1741.87 1740.00 1745.00 1738.88 1083.0 188427970.
↪0 0.35 0.02 0.42 0.01
1525    600519 2021-07-29 14:10 1740.00 1740.02 1740.10 1740.00 59.0 10315488.
↪0 0.01 0.00 0.02 0.00

```

[1526 rows x 13 columns]

- A

```

>>> import efinance as ef
>>> ef.stock.get_realtime_quotes()

```

```

↪      ID
0      688787  N 277.59 139.48 172.39 139.25 171.66 102.54 85.62 - 78.93 ↪
↪ 74519 1110318832.0 36.94 5969744000 1213908667 1.688787 A
1      301045  N 149.34 39.42 48.95 39.2 48.95 23.61 66.66 - 37.81 ↪
↪ 163061 683878656.0 15.81 4066344240 964237089 0.301045 A
2      300532  20.04 12.16 12.16 10.69 10.69 2.03 8.85 3.02 -22.72 ↪
↪ 144795 171535181.0 10.13 3322510580 1989333440 0.300532 A
3      300600  20.02 13.19 13.19 11.11 11.41 2.2 18.61 2.82 218.75 ↪
↪ 423779 541164432.0 10.99 3915421427 3003665117 0.300600 A
4      300985  20.01 47.08 47.08 36.8 39.4 7.85 66.65 2.17 58.37 ↪
↪ 210697 897370992.0 39.23 6277336472 1488300116 0.300985 A
...
↪ ...
4598 603186 -10.0 43.27 44.09 43.27 43.99 -4.81 1.98 0.48 25.24 ↪
↪ 27697 120486294.0 48.08 6146300650 6063519472 1.603186 A
4599 688185 -U -10.11 476.4 534.94 460.13 530.0 -53.6 6.02 2.74 -2088.07 ↪
↪ 40239 1960540832.0 530.0 117885131884 31831479215 1.688185 A
4600 688148 -10.57 31.3 34.39 31.3 33.9 -3.7 26.07 0.56 220.01 ↪
↪ 188415 620632512.0 35.0 15923562000 2261706043 1.688148 A
4601 300034 -10.96 43.12 46.81 42.88 46.5 -5.31 7.45 1.77 59.49 ↪
↪ 323226 1441101824.0 48.43 20959281094 18706911861 0.300034 A
4602 300712 -13.71 96.9 110.94 95.4 109.0 -15.4 6.96 1.26 511.21 ↪
↪ 126705 1265152928.0 112.3 17645877600 17645877600 0.300712 A

```

[4603 rows x 18 columns]

```

>>> import efinance as ef
>>> ef.stock.get_all_company_performance() #

```

(continues on next page)

(continued from previous page)

```

0      000422      2021-08-16 00:00:00  2021Q2  0.8080  9.348938e+09  52.140693  7.
↳255041e+08  367.934874  2021
1      000960      2021-08-16 00:00:00  2021Q2  0.5832  2.945845e+10  30.908034  9.
↳598990e+08  375.105697  2021
2      002194      2021-08-16 00:00:00  2021Q2  0.1919  8.717292e+08  25.840099  1.
↳292094e+08  61.258608  2021
3      002499 *ST  2021-08-16 00:00:00  2021Q2 -0.1514  1.480752e+07 -17.804820 -2.
↳861696e+07 -13.834797  2021
4      002821      2021-08-16 00:00:00  2021Q2  1.7800  1.760187e+09  39.042667  4.
↳293279e+08  36.031188  2021
..      ...      ...      ...      ...      ...      ...      ...
↳ ...      ...      ...
597  002261      2021-07-15 00:00:00  2021Q2  0.0550  8.901777e+08  47.505282  6.
↳071063e+07  68.323793  2021
598  600644      2021-07-15 00:00:00  2021Q2      NaN  1.257030e+09  18.079648  8.
↳379727e+07 -14.303494  2021
599  603100      2021-07-15 00:00:00  2021Q2  0.7700  2.536000e+09  42.040204  3.
↳040000e+08  273.372636  2021
600  601952      2021-07-13 00:00:00  2021Q2  0.2400  4.544138e+09  11.754570  3.
↳278197e+08  1.156936  2021
601  601568      2021-07-09 00:00:00  2021Q2  0.3200  6.031506e+09  32.543303  1.
↳167989e+09  61.053739  2021

```

[602 rows x 10 columns]

• ()

```

>>> import efinance as ef
>>> ef.stock.get_history_bill('300750')

0      300750  2021-03-18  4.453786e+07  51241536.0 -9.577939e+07 -26680704.0
↳71218560.0      1.16      1.33      -2.49      -0.69      1.85  335.56  0.84
1      300750  2021-03-19 -6.129661e+08  423235296.0  1.897308e+08 -244136864.0 -
↳368829200.0 -10.13      6.99      3.14      -4.03      -6.09  316.26 -5.75
2      300750  2021-03-22 -5.674665e+08  473253808.0  9.421272e+07 -255868192.0 -
↳311598336.0 -7.95      6.63      1.32      -3.58      -4.37  307.56 -2.75
3      300750  2021-03-23 -3.168412e+08  131142880.0  1.856984e+08 -349417168.0
↳32575936.0 -6.88      2.85      4.03      -7.59      0.71  303.67 -1.26
4      300750  2021-03-24 -5.999049e+08  371268928.0  2.286360e+08 -6849616.0 -
↳593055328.0 -8.18      5.06      3.12      -0.09      -8.09  288.55 -4.98
..      ...      ...      ...      ...      ...      ...      ...
↳ ...      ...      ...      ...      ...      ...      ...
97      300750  2021-08-09 -1.152779e+09 -596512.0  1.153376e+09 -370189552.0 -
↳782589456.0 -12.09 -0.01      12.10 -3.88 -8.21  516.00 -5.13
98      300750  2021-08-10 -1.009431e+09 -358999.0  1.009790e+09 -392670720.0 -
↳616759952.0 -11.03 -0.00      11.03 -4.29 -6.74  510.50 -1.07
99      300750  2021-08-11  1.305631e+08 -475792.0 -1.300873e+08 -204097776.0
↳334660864.0  2.25 -0.01 -2.25 -3.52  5.78  517.25  1.32
100      300750  2021-08-12 -1.425337e+09 -488240.0  1.425825e+09 -454688192.0 -
↳970648896.0 -16.58 -0.01  16.58 -5.29 -11.29  502.00 -2.95

```

(continues on next page)

(continued from previous page)

```
101      300750  2021-08-13 -3.111439e+08  -895641.0  3.120392e+08 -145200128.0 -
→165943808.0    -2.21    -0.01     2.22    -1.03    -1.18  502.05  0.01
```

```
[102 rows x 15 columns]
```

- ()

```
>>> import efinance as ef
>>> ef.stock.get_today_bill('300750')
```

```
0      300750  2021-08-13 09:31  -58855676.0 -171274.0  59026945.0  22025460.0 -
→80881136.0
1      300750  2021-08-13 09:32  -50671227.0 -190312.0  50861534.0   8927176.0 -
→59598403.0
2      300750  2021-08-13 09:33  -67833979.0 -190312.0  68024288.0  34170593.0 -
→102004572.0
3      300750  2021-08-13 09:34  -28890553.0 -220312.0  29110861.0  16373829.0 -
→45264382.0
4      300750  2021-08-13 09:35  -14955904.0 -482660.0  15438561.0  14601153.0 -
→29557057.0
```

```
..      ...      ...      ...      ...      ...      ...      ...
→      ...
```

```
235     300750  2021-08-13 14:56 -311695708.0 -895633.0  312591337.0 -144447542.0 -
→167248166.0
236     300750  2021-08-13 14:57 -310641455.0 -895633.0  311537085.0 -144697852.0 -
→165943603.0
237     300750  2021-08-13 14:58 -311143584.0 -895633.0  312039214.0 -145199981.0 -
→165943603.0
238     300750  2021-08-13 14:59 -311143584.0 -895633.0  312039214.0 -145199981.0 -
→165943603.0
239     300750  2021-08-13 15:00 -311143584.0 -895633.0  312039214.0 -145199981.0 -
→165943603.0
```

```
[240 rows x 8 columns]
```

2.2 Fund

-

```
>>> import efinance as ef
>>> ef.fund.get_quote_history('161725')
```

```
0      2021-07-29  1.2726  2.9037  -1.52
1      2021-07-28  1.2922  2.9233   0.85
2      2021-07-27  1.2813  2.9124  -3.6
3      2021-07-26  1.3292  2.9603  -7.24
4      2021-07-23  1.4329  3.0640  -2.29
...      ...      ...      ...      ...
1502  2015-06-08  1.0380  1.0380  2.5692
1503  2015-06-05  1.0120  1.0120  1.5045
```

(continues on next page)

(continued from previous page)

```

1504 2015-06-04 0.9970 0.9970 --
1505 2015-05-29 0.9950 0.9950 --
1506 2015-05-27 1.0000 1.0000 --

```

```
[1507 rows x 4 columns]
```

•

```

>>> import efinance as ef
>>> #
>>> ef.fund.get_inverst_position('161725')

```

```

0 161725 000858 14.88 1.45
1 161725 600519 14.16 -0.86
2 161725 600809 14.03 -0.83
3 161725 000568 13.02 -2.96
4 161725 002304 12.72 1.31
5 161725 000799 5.77 1.34
6 161725 603369 3.46 -0.48
7 161725 000596 2.81 -0.29
8 161725 600779 2.52 2.52
9 161725 603589 2.48 -0.38

```

•

```

>>> import efinance as ef
>>> #
>>> ef.fund.get_base_info(['161725', '005827'])
0 161725 (LOF)A 2015-05-27 -6.03 1.1959 2021-07-30
1 005827 2018-09-05 -2.98 2.4967 2021-07-30 A+H

```

2.3 Bond

•

```

>>> import efinance as ef
>>> ef.bond.get_realtime_quotes()

```

```

↪ ID
0 123015 13.49 198.613 205.0 175.5 23.613 315.36 - 316062 ↪
↪ 613480512.0 175.0 199056701 199056701 0.123015 A
1 123077 9.59 115.51 122.971 105.401 10.11 32.59 - 305380 ↪
↪ 358093216.0 105.4 1082332396 1082332396 0.123077 A
2 123066 8.08 232.377 245.8 225.0 17.377 470.3 - 454204 ↪
↪ 1081363632.0 215.0 224423665 224423665 0.123066 A
3 128093 7.69 360.751 367.9 335.5 25.751 343.84 - 558874 ↪
↪ 1984944768.0 335.0 586364315 586364315 0.128093 A
4 128082 7.41 158.507 163.769 147.089 10.935 103.16 - 226444 ↪
↪ 355827984.0 147.572 347931900 347931900 0.128082 A
.. ..
↪ ...

```

(continues on next page)

(continued from previous page)

```

383 123087 -4.34 151.75 169.0 150.302 -6.879 117.66 - 520370
↳ 817884784.0 158.629 671147760 671147760 0.123087 A
384 123070 -4.63 175.001 179.799 174.471 -8.499 18.46 - 144998
↳ 257005833.0 183.5 1374730681 1374730681 0.123070 A
385 123027 -4.67 338.413 352.825 338.015 -16.586 44.23 - 47356
↳ 162870853.0 354.999 362300558 362300558 0.123027 A
386 113621 -5.03 215.61 222.5 214.41 -11.41 11.46 - 91710
↳ 200327611.0 227.02 1725268098 1725268098 1.113621 A
387 123047 -5.7 305.5 319.52 305.382 -18.47 122.41 - 193587
↳ 600277600.0 323.97 483119533 483119533 0.123047 A

[388 rows x 16 columns]

```

•

```

>>> import efinance as ef
>>> ef.bond.get_all_base_info()

                                () (%)                                ()
↳
0  123120  300263  AA-  2021-07-30 00:00:00  7.989283  NaN
↳ None  2027-07-30 00:00:00  6  0.40%0.70%1.00%1.60%2....
1  110081  600745  AA+  2021-07-28 00:00:00  86.000000  0.044030
↳ None  2027-07-28 00:00:00  6  0.10%0.20%0.30%1.50%1.80%...
2  118001  688598  A+  2021-07-23 00:00:00  5.999010  0.001771
↳ None  2027-07-23 00:00:00  6  0.50%0.70%1.20%1.80%2.40%...
3  123119  2 300601  AA  2021-07-15 00:00:00  20.000000  0.014182
↳ None  2027-07-15 00:00:00  6  0.30%0.50%1.00%1.50%1....
4  113627  603877  AA  2021-07-15 00:00:00  8.000000  0.000542
↳ None  2027-07-15 00:00:00  6  0.30%0.50%1.00%1.50%1.80%...
..  ...  ...  ...  ...  ...  ...  ...  ...  ...
↳ ...
↳ ...
80 110227  600227  AAA  2007-10-10 00:00:00  4.500000  0.158854  2007-10-23
↳ 00:00:00  2009-05-25 00:00:00  1.6192  :1.5%1.8%2....
81 126006  07 600548  AAA  2007-10-09 00:00:00  15.000000  0.290304  2007-10-30
↳ 00:00:00  2013-10-09 00:00:00  6
↳ None
82 110971  600971  AAA  2007-09-24 00:00:00  4.000000  5.311774  2007-10-12
↳ 00:00:00  2009-12-21 00:00:00  2.2484  :1.5%,1.8%,2.1%,2...
83 110567  600567  AA  2007-09-05 00:00:00  4.700000  0.496391  2007-09-17
↳ 00:00:00  2010-02-01 00:00:00  2.4055  :1.4%,1.7%,2....
84 110026  600026  AAA  2007-07-02 00:00:00  20.000000  1.333453  2007-07-12
↳ 00:00:00  2008-03-27 00:00:00  0.737  :1.84%,2.05%,2.26%,2.47%,...

[585 rows x 12 columns]

```

• K

```

>>> import efinance as ef
>>> # 3
>>> bond_code = '123111'
>>> ef.bond.get_quote_history(bond_code)

```

(continues on next page)

(continued from previous page)

```

0   3  123111  2021-04-23  130.000  130.000  130.000  130.000  1836427  2.387355e+09  0.
↪00  30.00  30.000  11.62
1   3  123111  2021-04-26  130.353  130.010  133.880  125.110  8610944  1.126033e+10  6.
↪75  0.01  0.010  54.50
2   3  123111  2021-04-27  129.000  129.600  130.846  128.400  1820766  2.357472e+09  1.
↪88 -0.32 -0.410  11.52
3   3  123111  2021-04-28  129.100  130.770  131.663  128.903  1467727  1.921641e+09  2.
↪13  0.90  1.170  9.29
4   3  123111  2021-04-29  130.690  131.208  133.150  130.560  1156934  1.525974e+09  1.
↪98  0.33  0.438  7.32
..   ...   ...   ...   ...   ...   ...   ...   ...   ...   ...
↪ ...   ...   ...   ...
72  3  123111  2021-08-09  159.600  159.300  162.990  158.690  596124  9.585751e+08  2.
↪69 -0.34 -0.550  3.77
73  3  123111  2021-08-10  159.190  160.950  161.450  157.000  517237  8.234596e+08  2.
↪79  1.04  1.650  3.27
74  3  123111  2021-08-11  161.110  159.850  162.300  159.400  298906  4.800711e+08  1.
↪80 -0.68 -1.100  1.89
75  3  123111  2021-08-12  159.110  158.290  160.368  158.010  270641  4.298100e+08  1.
↪48 -0.98 -1.560  1.71
76  3  123111  2021-08-13  158.000  158.358  160.290  157.850  250059  3.975513e+08  1.
↪54  0.04  0.068  1.58

```

[77 rows x 13 columns]

2.4 Futures

```

>>> import efinance as ef
>>> ef.futures.get_futures_base_info()
      secid
0      jmm      114.jmm
1  jm2109  2109  114.jm2109
2  ss2204  2204  113.ss2204
3  jm2110  2110  114.jm2110
4  jm2111  2111  114.jm2111
..   ...   ...   ...   ...
782 i2108  2108  114.i2108
783 i2112  2112  114.i2112
784 i2203  2203  114.i2203
785      im      114.im
786 i2109  2109  114.i2109

```

[787 rows x 4 columns]

```

>>> import efinance as ef
>>> # secid
>>> secid = '115.ZCM'
>>> ef.futures.get_quote_history(secid)

0      ZCM  2015-05-18  440.0  437.6  440.2  437.6      64  2.806300e+06  0.00  0.00  _
↪0.0  0.0
1      ZCM  2015-05-19  436.0  437.0  437.6  436.0      6  2.621000e+05  0.36 -0.32  -
↪1.4  0.0
2      ZCM  2015-05-20  436.8  435.8  437.0  434.8      8  3.487500e+05  0.50 -0.23  -
↪1.0  0.0
3      ZCM  2015-05-21  438.0  443.2  446.8  437.8     37  1.631850e+06  2.06  1.65  _
↪7.2  0.0
4      ZCM  2015-05-22  439.2  441.4  443.8  439.2     34  1.502500e+06  1.04  0.09  _
↪0.4  0.0
...      ...      ...      ...      ...      ...      ...      ...      ...      ...
↪.      ...      ...
1509   ZCM  2021-07-27  897.0  892.4  915.8  888.0  109033  9.802067e+09  3.10 -0.53  -
↪4.8  0.0
1510   ZCM  2021-07-28  892.4  902.4  909.6  890.4   89853  8.086770e+09  2.14  0.38  _
↪3.4  0.0
1511   ZCM  2021-07-29  902.6  918.6  919.0  900.4   83106  7.562646e+09  2.07  2.07  _
↪18.6 0.0
1512   ZCM  2021-07-30  918.6  927.2  943.0  906.2  129862  1.202003e+10  4.04  1.89  _
↪17.2 0.0
1513   ZCM  2021-08-02  898.0  870.0  898.0  852.4  101722  8.900675e+09  4.93 -6.01  -
↪55.6 0.0

[1514 rows x 13 columns]

>>> secids = ['115.ZCM', '115.ZC109']
>>> futures_df = ef.futures.get_quote_history(secids)
>>> type(futures_df)
<class 'dict'>
>>> futures_df.keys()
dict_keys(['115.ZC109', '115.ZCM'])
>>> futures_df['115.ZC109']

0      109 ZC109  2020-09-09  551.2  551.2  551.2  551.2      2  1.102400e+05  0.00  0.
↪00  0.0  0.0
1      109 ZC109  2020-09-10  548.6  545.0  549.8  545.0      6  3.289200e+05  0.87 -1.
↪12 -6.2  0.0
2      109 ZC109  2020-09-11  545.0  544.2  548.4  543.0      7  3.815000e+05  0.99 -0.
↪73 -4.0  0.0
3      109 ZC109  2020-09-14  546.0  550.4  550.4  546.0      7  3.843000e+05  0.81  0.
↪99  5.4  0.0
4      109 ZC109  2020-09-15  549.0  551.2  551.6  549.0     14  7.705600e+05  0.47  0.
↪40  2.2  0.0
..      ...      ...      ...      ...      ...      ...      ...      ...      ...
↪...      ...      ...
212    109 ZC109  2021-07-27  897.0  892.4  915.8  888.0  109033  9.802067e+09  3.10 -0.
↪53 -4.8  0.0
213    109 ZC109  2021-07-28  892.4  902.4  909.6  890.4   89853  8.086770e+09  2.14  0.
↪38  3.4  0.0

```

(continues on next page)

(continued from previous page)

214	109	ZC109	2021-07-29	902.6	918.6	919.0	900.4	83106	7.562646e+09	2.07	2.
↪07	18.6	0.0									
215	109	ZC109	2021-07-30	918.6	927.2	943.0	906.2	129862	1.202003e+10	4.04	1.
↪89	17.2	0.0									
216	109	ZC109	2021-08-02	898.0	870.0	898.0	852.4	101722	8.900675e+09	4.93	-6.
↪01	-55.6	0.0									

[217 rows x 13 columns]

API => Docs

sphinx efinance

•

```
git clone https://github.com/Micro-sheep/efinance
```

•

```
cd efinance/docs
pip install -r requirements.txt --upgrade
sphinx-build . ./build -b html
```

```
sphinx-build . ./build -b html -D language=zh
```

docs/build html

pdoc efinance

•

```
pip install pdoc efinance --upgrade
```

•

```
pdoc efinance -d numpy
```

efinance

CHAPTER

FOUR

CONTACT

CHANGELOG

5.1 v0.3.5 (2021-08-15)

5.1.1 Added

- -
 - common bond stock
 - bond
 -
-

5.2 v0.3.4 (2021-08-08)

5.2.1 Changed

- vscode
-

5.3 v0.3.3 (2021-08-08)

5.3.1 Changed

-
-

5.4 v0.3.2 (2021-08-08)

5.4.1 Added

- sphinx
 - read the docs
-

5.5 v0.3.1 (2021-08-05)

5.5.1 Added

- session

5.5.2 Fixed

-
-

5.6 v0.3.0 (2021-08-03)

5.6.1 Added

-
- jsonpath

5.6.2 Fixed

-

Installation

- pip

```
pip install efinance
```

- pip

```
pip install efinance --upgrade
```

-

```
git clone https://github.com/Micro-sheep/efinance
cd efinance
pip install -e .
```

Examples

Stock

- K

```
>>> import efinance as ef
>>> #
>>> stock_code = '600519'
>>> ef.stock.get_quote_history(stock_code)
```

0	600519	2001-08-27	-89.74	-89.53	-89.08	-90.07	406318.0	1.410347e+09	-
↪1.10	0.92	0.83	56.83						
1	600519	2001-08-28	-89.64	-89.27	-89.24	-89.72	129647.0	4.634630e+08	-
↪0.54	0.29	0.26	18.13						
2	600519	2001-08-29	-89.24	-89.36	-89.24	-89.42	53252.0	1.946890e+08	-
↪0.20	-0.10	-0.09	7.45						
3	600519	2001-08-30	-89.38	-89.22	-89.14	-89.44	48013.0	1.775580e+08	-
↪0.34	0.16	0.14	6.72						
4	600519	2001-08-31	-89.21	-89.24	-89.12	-89.28	23231.0	8.623100e+07	-
↪0.18	-0.02	-0.02	3.25						
...
↪.
4756	600519	2021-07-23	1937.82	1900.00	1937.82	1895.09	47585.0	9.057762e+09	↪
↪2.20	-2.06	-40.01	0.38						
4757	600519	2021-07-26	1879.00	1804.11	1879.00	1780.00	98619.0	1.789436e+10	↪
↪5.21	-5.05	-95.89	0.79						
4758	600519	2021-07-27	1803.00	1712.89	1810.00	1703.00	86577.0	1.523081e+10	↪
↪5.93	-5.06	-91.22	0.69						
4759	600519	2021-07-28	1703.00	1768.90	1788.20	1682.12	85369.0	1.479247e+10	↪
↪6.19	3.27	56.01	0.68						
4760	600519	2021-07-29	1810.01	1740.00	1823.00	1734.34	51035.0	9.067345e+09	↪
↪5.01	-1.63	-28.90	0.41						

[4761 rows x 13 columns]

- A K

```
>>> import efinance as ef
>>> #
>>> stock_code = 'AAPL'
>>> ef.stock.get_quote_history(stock_code)
```

0	AAPL	1984-09-07	-5.37	-5.37	-5.36	-5.37	2981600.0	0.000000e+00	0.
↪00	0.00	0.00	0.02						
1	AAPL	1984-09-10	-5.37	-5.37	-5.36	-5.37	2346400.0	0.000000e+00	-0.
↪19	0.00	0.00	0.01						
2	AAPL	1984-09-11	-5.36	-5.36	-5.36	-5.36	5444000.0	0.000000e+00	0.
↪00	0.19	0.01	0.03						
3	AAPL	1984-09-12	-5.36	-5.37	-5.36	-5.37	4773600.0	0.000000e+00	-0.
↪19	-0.19	-0.01	0.03						
4	AAPL	1984-09-13	-5.36	-5.36	-5.36	-5.36	7429600.0	0.000000e+00	0.
↪00	0.19	0.01	0.04						

(continues on next page)

[illegible]

```
[8744 rows x 13 columns]
```

[illegible]

```
[8362 rows x 13 columns]
```

- (continues on next page)

(continued from previous page)

```

1      ETF  513050  2017-01-19  0.978  0.989  0.990  0.978    257716.0  2.542553e+07  1.
↳23  1.23  0.012  0.19
2      ETF  513050  2017-01-20  0.989  0.988  0.990  0.986    50980.0  5.043289e+06  0.
↳40 -0.10 -0.001  0.04
3      ETF  513050  2017-01-23  0.988  0.988  0.989  0.986    13739.0  1.356129e+06  0.
↳30  0.00  0.000  0.01
4      ETF  513050  2017-01-24  0.989  0.989  0.992  0.987    17937.0  1.774398e+06  0.
↳51  0.10  0.001  0.01
...
↳ ...
1097   ETF  513050  2021-07-23  1.789  1.760  1.789  1.758   4427623.0  7.836530e+08  1.
↳73 -1.51 -0.027  3.32
1098   ETF  513050  2021-07-26  1.679  1.645  1.698  1.642  13035366.0  2.182816e+09  3.
↳18 -6.53 -0.115  9.78
1099   ETF  513050  2021-07-27  1.600  1.547  1.620  1.546  14269546.0  2.257610e+09  4.
↳50 -5.96 -0.098 10.70
1100   ETF  513050  2021-07-28  1.545  1.552  1.578  1.506  13141023.0  2.024106e+09  4.
↳65  0.32  0.005  9.85
1101   ETF  513050  2021-07-29  1.615  1.641  1.651  1.606  10658041.0  1.734404e+09  2.
↳90  5.73  0.089  7.99
[1102 rows x 13 columns]

```

• 5 K

```

>>> import efinance as ef
>>> #
>>> stock_code = '600519'
>>> # 5
>>> frequency = 5
>>> ef.stock.get_quote_history(stock_code, klt=frequency)
0      600519  2021-06-16 09:35  2172.71  2159.71  2175.71  2150.74  1885.0  411159309.
↳0  1.15 -0.64 -14.00  0.02
1      600519  2021-06-16 09:40  2156.69  2148.71  2160.48  2143.37  1238.0  268790684.
↳0  0.79 -0.51 -11.00  0.01
2      600519  2021-06-16 09:45  2149.79  2159.71  2160.69  2149.79   706.0  153631002.
↳0  0.51  0.51  11.00  0.01
3      600519  2021-06-16 09:50  2159.61  2148.87  2159.71  2148.87   586.0  127346502.
↳0  0.50 -0.50 -10.84  0.00
4      600519  2021-06-16 09:55  2148.87  2161.04  2163.71  2148.72   788.0  171491075.
↳0  0.70  0.57  12.17  0.01
...
↳ ...
1521   600519  2021-07-29 13:50  1746.51  1746.09  1748.95  1746.01   738.0  128889575.
↳0  0.17 -0.09 -1.49  0.01
1522   600519  2021-07-29 13:55  1746.08  1742.01  1746.09  1741.96   831.0  144968679.
↳0  0.24 -0.23 -4.08  0.01
1523   600519  2021-07-29 14:00  1742.00  1739.58  1742.00  1739.58   864.0  150446840.
↳0  0.14 -0.14 -2.43  0.01
1524   600519  2021-07-29 14:05  1741.87  1740.00  1745.00  1738.88  1083.0  188427970.
↳0  0.35  0.02  0.42  0.01

```

(continues on next page)

(continued from previous page)

```
1525      600519  2021-07-29 14:10  1740.00  1740.02  1740.10  1740.00      59.0  10315488.
↪ 0  0.01  0.00  0.02  0.00
```

```
[1526 rows x 13 columns]
```

- A

```
>>> import efinance as ef
>>> ef.stock.get_realtime_quotes()
```

```
↪      ID
0      688787      N  277.59  139.48  172.39  139.25  171.66  102.54  85.62      -      78.93 ↪
↪ 74519  1110318832.0  36.94      5969744000      1213908667  1.688787  A
1      301045      N  149.34   39.42   48.95   39.2   48.95   23.61  66.66      -      37.81 ↪
↪ 163061  683878656.0  15.81      4066344240      964237089  0.301045  A
2      300532      20.04   12.16   12.16   10.69   10.69   2.03   8.85   3.02  -22.72 ↪
↪ 144795  171535181.0  10.13      3322510580      1989333440  0.300532  A
3      300600      20.02   13.19   13.19   11.11   11.41   2.2   18.61  2.82   218.75 ↪
↪ 423779  541164432.0  10.99      3915421427      3003665117  0.300600  A
4      300985      20.01   47.08   47.08   36.8    39.4    7.85  66.65  2.17   58.37 ↪
↪ 210697  897370992.0  39.23      6277336472      1488300116  0.300985  A
...      ...      ...      ...      ...      ...      ...      ...      ...      ...
↪      ...      ...      ...      ...      ...      ...      ...      ...
4598  603186      -10.0   43.27   44.09   43.27   43.99   -4.81   1.98   0.48   25.24 ↪
↪ 27697  120486294.0  48.08      6146300650      6063519472  1.603186  A
4599  688185      -U  -10.11   476.4   534.94  460.13   530.0   -53.6   6.02   2.74 -2088.07 ↪
↪ 40239  1960540832.0  530.0      117885131884      31831479215  1.688185  A
4600  688148      -10.57   31.3    34.39   31.3    33.9    -3.7   26.07  0.56   220.01 ↪
↪ 188415  620632512.0   35.0      15923562000      2261706043  1.688148  A
4601  300034      -10.96   43.12   46.81   42.88   46.5    -5.31   7.45   1.77   59.49 ↪
↪ 323226  1441101824.0  48.43      20959281094      18706911861  0.300034  A
4602  300712      -13.71   96.9    110.94   95.4    109.0   -15.4   6.96   1.26   511.21 ↪
↪ 126705  1265152928.0  112.3      17645877600      17645877600  0.300712  A
```

```
[4603 rows x 18 columns]
```

-

```
>>> import efinance as ef
>>> ef.stock.get_all_company_performance() #

0      000422      2021-08-16 00:00:00  2021Q2  0.8080  9.348938e+09  52.140693  7.
↪ 255041e+08  367.934874  2021
1      000960      2021-08-16 00:00:00  2021Q2  0.5832  2.945845e+10  30.908034  9.
↪ 598990e+08  375.105697  2021
2      002194      2021-08-16 00:00:00  2021Q2  0.1919  8.717292e+08  25.840099  1.
↪ 292094e+08  61.258608  2021
3      002499  *ST  2021-08-16 00:00:00  2021Q2 -0.1514  1.480752e+07 -17.804820 -2.
↪ 861696e+07 -13.834797  2021
4      002821      2021-08-16 00:00:00  2021Q2  1.7800  1.760187e+09  39.042667  4.
↪ 293279e+08  36.031188  2021
..      ...      ...      ...      ...      ...      ...      ...
↪ ...      ...      ...
```

(continues on next page)

(continued from previous page)

```

597 002261      2021-07-15 00:00:00  2021Q2  0.0550  8.901777e+08  47.505282  6.
↳071063e+07  68.323793  2021
598 600644      2021-07-15 00:00:00  2021Q2      NaN  1.257030e+09  18.079648  8.
↳379727e+07 -14.303494  2021
599 603100      2021-07-15 00:00:00  2021Q2  0.7700  2.536000e+09  42.040204  3.
↳040000e+08 273.372636  2021
600 601952      2021-07-13 00:00:00  2021Q2  0.2400  4.544138e+09  11.754570  3.
↳278197e+08  1.156936  2021
601 601568      2021-07-09 00:00:00  2021Q2  0.3200  6.031506e+09  32.543303  1.
↳167989e+09  61.053739  2021

```

[602 rows x 10 columns]

• ()

```

>>> import efinance as ef
>>> ef.stock.get_history_bill('300750')

0      300750  2021-03-18  4.453786e+07  51241536.0 -9.577939e+07 -26680704.0  ↳
↳71218560.0      1.16      1.33      -2.49      -0.69      1.85  335.56  0.84
1      300750  2021-03-19 -6.129661e+08  423235296.0  1.897308e+08 -244136864.0 -
↳368829200.0     -10.13      6.99      3.14      -4.03     -6.09  316.26 -5.75
2      300750  2021-03-22 -5.674665e+08  473253808.0  9.421272e+07 -255868192.0 -
↳311598336.0     -7.95      6.63      1.32     -3.58     -4.37  307.56 -2.75
3      300750  2021-03-23 -3.168412e+08  131142880.0  1.856984e+08 -349417168.0  ↳
↳32575936.0     -6.88      2.85      4.03     -7.59      0.71  303.67 -1.26
4      300750  2021-03-24 -5.999049e+08  371268928.0  2.286360e+08 -6849616.0 -
↳593055328.0     -8.18      5.06      3.12     -0.09     -8.09  288.55 -4.98
..      ...      ...      ...      ...      ...      ...      ...      ↳
↳      ...      ...      ...      ...      ...      ...      ...
97      300750  2021-08-09 -1.152779e+09 -596512.0  1.153376e+09 -370189552.0 -
↳782589456.0    -12.09     -0.01     12.10     -3.88     -8.21  516.00 -5.13
98      300750  2021-08-10 -1.009431e+09 -358999.0  1.009790e+09 -392670720.0 -
↳616759952.0    -11.03     -0.00     11.03     -4.29     -6.74  510.50 -1.07
99      300750  2021-08-11  1.305631e+08 -475792.0 -1.300873e+08 -204097776.0  ↳
↳334660864.0      2.25     -0.01     -2.25     -3.52      5.78  517.25  1.32
100     300750  2021-08-12 -1.425337e+09 -488240.0  1.425825e+09 -454688192.0 -
↳970648896.0    -16.58     -0.01     16.58     -5.29    -11.29  502.00 -2.95
101     300750  2021-08-13 -3.111439e+08 -895641.0  3.120392e+08 -145200128.0 -
↳165943808.0     -2.21     -0.01      2.22     -1.03     -1.18  502.05  0.01

```

[102 rows x 15 columns]

• ()

```

>>> import efinance as ef
>>> ef.stock.get_today_bill('300750')

0      300750  2021-08-13 09:31 -58855676.0 -171274.0  59026945.0  22025460.0 -
↳80881136.0
1      300750  2021-08-13 09:32 -50671227.0 -190312.0  50861534.0  8927176.0 -
↳59598403.0

```

(continues on next page)

(continued from previous page)

```

2      300750  2021-08-13 09:33 -67833979.0 -190312.0  68024288.0  34170593.0 -
↳102004572.0
3      300750  2021-08-13 09:34 -28890553.0 -220312.0  29110861.0  16373829.0 -
↳45264382.0
4      300750  2021-08-13 09:35 -14955904.0 -482660.0  15438561.0  14601153.0 -
↳29557057.0
...      ...      ...      ...      ...      ...      ...      ...
↳      ...
235    300750  2021-08-13 14:56 -311695708.0 -895633.0  312591337.0 -144447542.0 -
↳167248166.0
236    300750  2021-08-13 14:57 -310641455.0 -895633.0  311537085.0 -144697852.0 -
↳165943603.0
237    300750  2021-08-13 14:58 -311143584.0 -895633.0  312039214.0 -145199981.0 -
↳165943603.0
238    300750  2021-08-13 14:59 -311143584.0 -895633.0  312039214.0 -145199981.0 -
↳165943603.0
239    300750  2021-08-13 15:00 -311143584.0 -895633.0  312039214.0 -145199981.0 -
↳165943603.0

[240 rows x 8 columns]
```

Fund

```

>>> import efinance as ef
>>> ef.fund.get_quote_history('161725')

0      2021-07-29  1.2726  2.9037  -1.52
1      2021-07-28  1.2922  2.9233   0.85
2      2021-07-27  1.2813  2.9124  -3.6
3      2021-07-26  1.3292  2.9603  -7.24
4      2021-07-23  1.4329  3.0640  -2.29
...      ...      ...      ...
1502  2015-06-08  1.0380  1.0380  2.5692
1503  2015-06-05  1.0120  1.0120  1.5045
1504  2015-06-04  0.9970  0.9970   --
1505  2015-05-29  0.9950  0.9950   --
1506  2015-05-27  1.0000  1.0000   --

[1507 rows x 4 columns]
```

```

>>> import efinance as ef
>>> #
>>> ef.fund.get_inverst_position('161725')

0  161725  000858   14.88   1.45
1  161725  600519   14.16  -0.86
2  161725  600809   14.03  -0.83
```

(continues on next page)

(continued from previous page)

3	161725	000568	13.02	-2.96
4	161725	002304	12.72	1.31
5	161725	000799	5.77	1.34
6	161725	603369	3.46	-0.48
7	161725	000596	2.81	-0.29
8	161725	600779	2.52	2.52
9	161725	603589	2.48	-0.38

•

```
>>> import efinance as ef
>>> #
>>> ef.fund.get_base_info(['161725', '005827'])
0 161725 (LOF)A 2015-05-27 -6.03 1.1959 2021-07-30
1 005827 2018-09-05 -2.98 2.4967 2021-07-30 A+H
```

Bond

•

```
>>> import efinance as ef
>>> ef.bond.get_realtime_quotes()
```

ID	123015	13.49	198.613	205.0	175.5	23.613	315.36	-	316062
0	123015	13.49	198.613	205.0	175.5	23.613	315.36	-	316062
1	123077	9.59	115.51	122.971	105.401	10.11	32.59	-	305380
2	123066	8.08	232.377	245.8	225.0	17.377	470.3	-	454204
3	128093	7.69	360.751	367.9	335.5	25.751	343.84	-	558874
4	128082	7.41	158.507	163.769	147.089	10.935	103.16	-	226444
...
383	123087	-4.34	151.75	169.0	150.302	-6.879	117.66	-	520370
384	123070	-4.63	175.001	179.799	174.471	-8.499	18.46	-	144998
385	123027	-4.67	338.413	352.825	338.015	-16.586	44.23	-	47356
386	113621	-5.03	215.61	222.5	214.41	-11.41	11.46	-	91710
387	123047	-5.7	305.5	319.52	305.382	-18.47	122.41	-	193587

[388 rows x 16 columns]

•

```

>>> import efinance as ef
>>> ef.bond.get_all_base_info()

```

					()	(%)		()
0	123120	300263	AA-	2021-07-30 00:00:00	7.989283		NaN	
	None	2027-07-30 00:00:00		6	0.40%	0.70%	1.00%	1.60%2....
1	110081	600745	AA+	2021-07-28 00:00:00	86.000000		0.044030	
	None	2027-07-28 00:00:00		6	0.10%	0.20%	0.30%	1.50%1.80%...
2	118001	688598	A+	2021-07-23 00:00:00	5.999010		0.001771	
	None	2027-07-23 00:00:00		6	0.50%	0.70%	1.20%	1.80%2.40%...
3	123119	2 300601	AA	2021-07-15 00:00:00	20.000000		0.014182	
	None	2027-07-15 00:00:00		6	0.30%	0.50%	1.00%	1.50%1....
4	113627	603877	AA	2021-07-15 00:00:00	8.000000		0.000542	
	None	2027-07-15 00:00:00		6	0.30%	0.50%	1.00%	1.50%1.80%...
..
80	110227	600227	AAA	2007-10-10 00:00:00	4.500000		0.158854	2007-10-23...
	00:00:00	2009-05-25 00:00:00		1.6192	:1.5%	1.8%	2....	
81	126006	07 600548	AAA	2007-10-09 00:00:00	15.000000		0.290304	2007-10-30...
	00:00:00	2013-10-09 00:00:00		6				
	None							
82	110971	600971	AAA	2007-09-24 00:00:00	4.000000		5.311774	2007-10-12...
	00:00:00	2009-12-21 00:00:00		2.2484	:1.5%,1.8%,2.1%,2...			
83	110567	600567	AA	2007-09-05 00:00:00	4.700000		0.496391	2007-09-17...
	00:00:00	2010-02-01 00:00:00		2.4055	:1.4%,1.7%,2....			
84	110026	600026	AAA	2007-07-02 00:00:00	20.000000		1.333453	2007-07-12...
	00:00:00	2008-03-27 00:00:00		0.737	:1.84%,2.05%,2.26%,2.47%,...			

[585 rows x 12 columns]

- K

```

>>> import efinance as ef
>>> # 3
>>> bond_code = '123111'
>>> ef.bond.get_quote_history(bond_code)

```

0	3	123111	2021-04-23	130.000	130.000	130.000	130.000	1836427	2.387355e+09	0.	
	00	30.00	30.000	11.62							
1	3	123111	2021-04-26	130.353	130.010	133.880	125.110	8610944	1.126033e+10	6.	
	75	0.01	0.010	54.50							
2	3	123111	2021-04-27	129.000	129.600	130.846	128.400	1820766	2.357472e+09	1.	
	88	-0.32	-0.410	11.52							
3	3	123111	2021-04-28	129.100	130.770	131.663	128.903	1467727	1.921641e+09	2.	
	13	0.90	1.170	9.29							
4	3	123111	2021-04-29	130.690	131.208	133.150	130.560	1156934	1.525974e+09	1.	
	98	0.33	0.438	7.32							
..
72	3	123111	2021-08-09	159.600	159.300	162.990	158.690	596124	9.585751e+08	2.	
	69	-0.34	-0.550	3.77							
73	3	123111	2021-08-10	159.190	160.950	161.450	157.000	517237	8.234596e+08	2.	
	79	1.04	1.650	3.27							

(continues on next page)

(continued from previous page)

```

74 3 123111 2021-08-11 161.110 159.850 162.300 159.400 298906 4.800711e+08 1.
↪80 -0.68 -1.100 1.89
75 3 123111 2021-08-12 159.110 158.290 160.368 158.010 270641 4.298100e+08 1.
↪48 -0.98 -1.560 1.71
76 3 123111 2021-08-13 158.000 158.358 160.290 157.850 250059 3.975513e+08 1.
↪54 0.04 0.068 1.58

[77 rows x 13 columns]

```

Futures

```

>>> import efinance as ef
>>> ef.futures.get_futures_base_info()

```

			secid
0	jmm		114.jmm
1	jm2109	2109	114.jm2109
2	ss2204	2204	113.ss2204
3	jm2110	2110	114.jm2110
4	jm2111	2111	114.jm2111
..
782	i2108	2108	114.i2108
783	i2112	2112	114.i2112
784	i2203	2203	114.i2203
785	im		114.im
786	i2109	2109	114.i2109

```

[787 rows x 4 columns]

```

```

>>> import efinance as ef
>>> # secid
>>> secid = '115.ZCM'
>>> ef.futures.get_quote_history(secid)

```

0	ZCM	2015-05-18	440.0	437.6	440.2	437.6	64	2.806300e+06	0.00	0.00	↪	
↪0.0	0.0											
1	ZCM	2015-05-19	436.0	437.0	437.6	436.0	6	2.621000e+05	0.36	-0.32	↪	-
↪1.4	0.0											
2	ZCM	2015-05-20	436.8	435.8	437.0	434.8	8	3.487500e+05	0.50	-0.23	↪	-
↪1.0	0.0											
3	ZCM	2015-05-21	438.0	443.2	446.8	437.8	37	1.631850e+06	2.06	1.65	↪	
↪7.2	0.0											
4	ZCM	2015-05-22	439.2	441.4	443.8	439.2	34	1.502500e+06	1.04	0.09	↪	
↪0.4	0.0											
...
↪.										
1509	ZCM	2021-07-27	897.0	892.4	915.8	888.0	109033	9.802067e+09	3.10	-0.53	↪	-
↪4.8	0.0											

(continues on next page)

(continued from previous page)

```

1510    ZCM  2021-07-28  892.4  902.4  909.6  890.4  89853  8.086770e+09  2.14  0.38  ↵
↵3.4  0.0
1511    ZCM  2021-07-29  902.6  918.6  919.0  900.4  83106  7.562646e+09  2.07  2.07  ↵
↵18.6  0.0
1512    ZCM  2021-07-30  918.6  927.2  943.0  906.2  129862  1.202003e+10  4.04  1.89  ↵
↵17.2  0.0
1513    ZCM  2021-08-02  898.0  870.0  898.0  852.4  101722  8.900675e+09  4.93 -6.01 -
↵55.6  0.0

[1514 rows x 13 columns]

>>> secids = ['115.ZCM', '115.ZC109']
>>> futures_df = ef.futures.get_quote_history(secids)
>>> type(futures_df)
<class 'dict'>
>>> futures_df.keys()
dict_keys(['115.ZC109', '115.ZCM'])
>>> futures_df['115.ZC109']

0    109  ZC109  2020-09-09  551.2  551.2  551.2  551.2      2  1.102400e+05  0.00  0.
↵00  0.0  0.0
1    109  ZC109  2020-09-10  548.6  545.0  549.8  545.0      6  3.289200e+05  0.87 -1.
↵12 -6.2  0.0
2    109  ZC109  2020-09-11  545.0  544.2  548.4  543.0      7  3.815000e+05  0.99 -0.
↵73 -4.0  0.0
3    109  ZC109  2020-09-14  546.0  550.4  550.4  546.0      7  3.843000e+05  0.81  0.
↵99  5.4  0.0
4    109  ZC109  2020-09-15  549.0  551.2  551.6  549.0     14  7.705600e+05  0.47  0.
↵40  2.2  0.0
..      ...      ...      ...      ...      ...      ...      ...      ...      ...      ↵
↵...      ...      ...
212  109  ZC109  2021-07-27  897.0  892.4  915.8  888.0  109033  9.802067e+09  3.10 -0.
↵53 -4.8  0.0
213  109  ZC109  2021-07-28  892.4  902.4  909.6  890.4   89853  8.086770e+09  2.14  0.
↵38  3.4  0.0
214  109  ZC109  2021-07-29  902.6  918.6  919.0  900.4   83106  7.562646e+09  2.07  2.
↵07 18.6  0.0
215  109  ZC109  2021-07-30  918.6  927.2  943.0  906.2  129862  1.202003e+10  4.04  1.
↵89 17.2  0.0
216  109  ZC109  2021-08-02  898.0  870.0  898.0  852.4  101722  8.900675e+09  4.93 -6.
↵01 -55.6 0.0

[217 rows x 13 columns]

```

API REFERENCE

Stock

`efinance.stock.get_all_company_performance(date: str = None) → pandas.core.frame.DataFrame`

Parameters `date` (*str, optional*) – (None)

- None :
- '2021-06-30' : 2021 Q2
- '2021-03-31' : 2021 Q1

Returns

Return type DataFrame

Examples

```
>>> import efinance as ef
>>> #
>>> ef.stock.get_all_company_performance()

0      000088      2021-08-14 00:00:00  2021Q2  0.1017  3.090672e+08  34.504030  2.
↪287045e+08  49.990304  2021
1      000151      2021-08-14 00:00:00  2021Q2 -0.1342  1.830535e+08 -53.288271 -3.
↪971708e+07 -577.129395  2021
2      000417      2021-08-14 00:00:00  2021Q2  0.1775  3.228833e+09   1.191328  1.
↪383911e+08  43.895890  2021
3      000420      2021-08-14 00:00:00  2021Q2  0.0188  1.679051e+09  65.706084  4.
↪076899e+07 150.071201  2021
4      000534      2021-08-14 00:00:00  2021Q2  0.1298  2.800442e+08  21.239236  6.
↪411993e+07  30.715838  2021
..      ...      ...      ...      ...      ...      ...      ...
↪      ...      ...      ...
571  002261      2021-07-15 00:00:00  2021Q2  0.0550  8.901777e+08  47.505282  6.
↪071063e+07  68.323793  2021
572  600644      2021-07-15 00:00:00  2021Q2      NaN  1.257030e+09  18.079648  8.
↪379727e+07 -14.303494  2021
573  603100      2021-07-15 00:00:00  2021Q2  0.7700  2.536000e+09  42.040204  3.
↪040000e+08 273.372636  2021
574  601952      2021-07-13 00:00:00  2021Q2  0.2400  4.544138e+09  11.754570  3.
↪278197e+08   1.156936  2021
575  601568      2021-07-09 00:00:00  2021Q2  0.3200  6.031506e+09  32.543303  1.
↪167989e+09  61.053739  2021

>>> #
>>> ef.stock.get_all_company_performance('2020-03-31')

0      600593 *ST  2021-04-30 00:00:00  2020Q1 -0.1848  1.320271e+07 -63.791831 -2.
↪379923e+07 -46.022446  2020
1      601399      2021-04-21 00:00:00  2020Q1  0.0003  1.825720e+09 -3.353096  2.
↪247111e+06 -85.692860  2020
```

(continues on next page)

(continued from previous page)

```

2      600865      2020-12-30 00:00:00  2020Q1 -0.0200  5.444501e+07 -75.773146 -7.
↳476827e+06 -113.174025  2020
3      600145      *ST 2020-08-29 00:00:00  2020Q1  0.0014  3.907396e+06 -11.812618  2.
↳174314e+06 236.963620  2020
4      600226      ST 2020-06-30 00:00:00  2020Q1  0.0100  1.471848e+08 -33.907527  2.
↳185664e+07 -73.691756  2020
...      ...      ...      ...      ...      ...      ...      ...
↳      ...      ...      ...      ...      ...      ...      ...
3864  002838      2020-04-09 00:00:00  2020Q1  0.1700  6.191659e+08 -8.019810  6.
↳939886e+07 91.601624  2020
3865  603186      2020-04-09 00:00:00  2020Q1  0.1400  4.117502e+08 -6.844813  1.
↳763252e+07 18.870055  2020
3866  002007      2020-04-08 00:00:00  2020Q1  0.1354  6.775414e+08 -2.622289  2.
↳472864e+08 -4.708821  2020
3867  002913      2020-04-08 00:00:00  2020Q1  0.1700  4.898977e+08 -3.883035  2.
↳524717e+07 -47.239162  2020
3868  600396      2020-04-08 00:00:00  2020Q1  0.1275  2.023133e+09  0.518504  1.
↳878432e+08 114.304022  2020

```

Notes

`efinance.stock.get_all_report_dates`

`efinance.stock.get_all_report_dates()` → `pandas.core.frame.DataFrame`

Returns

Return type `DataFrame`

Examples

```

>>> import efinance as ef
>>> ef.stock.get_all_report_dates()

0      2021-06-30  2021
1      2021-03-31  2021
2      2020-12-31  2020
3      2020-09-30  2020
4      2020-06-30  2020
5      2020-03-31  2020
6      2019-12-31  2019
7      2019-09-30  2019
8      2019-06-30  2019
9      2019-03-31  2019
10     2018-12-31  2018
11     2018-09-30  2018
12     2018-06-30  2018
13     2018-03-31  2018
14     2017-12-31  2017
15     2017-09-30  2017

```

(continues on next page)

(continued from previous page)

```

16 2017-06-30 2017
17 2017-03-31 2017
18 2016-12-31 2016
19 2016-09-30 2016
20 2016-06-30 2016
21 2016-03-31 2016
22 2015-12-31 2015
24 2015-06-30 2015
25 2015-03-31 2015
26 2014-12-31 2014
27 2014-09-30 2014
28 2014-06-30 2014
29 2014-03-31 2014
30 2013-12-31 2013
31 2013-09-30 2013
32 2013-06-30 2013
33 2013-03-31 2013
34 2012-12-31 2012
35 2012-09-30 2012
36 2012-06-30 2012
37 2012-03-31 2012
38 2011-12-31 2011
39 2011-09-30 2011

```

`efinance.stock.get_base_info(stock_codes: Union[str, List[str]]) → Union[pandas.core.series.Series, pandas.core.frame.DataFrame]`

Parameters `stock_codes` (`Union[str, List[str]]`) –

Returns

- `Series`: (`stock_codes`)
- `DataFrame`: (`stock_codes`)

Return type `Union[Series, DataFrame]`

Raises `TypeError` – `stock_codes`

Examples

```

>>> import efinance as ef
>>> #
>>> ef.stock.get_base_info('600519')
        600519

()          39.38
           12.54

        2198082348462.0
        2198082348462.0
           BK0477
ROE          8.29

```

(continues on next page)

(continued from previous page)

```

54.1678
13954462085.610001
91.6763
dtype: object

```

```

>>> #
>>> ef.stock.get_base_info(['600519', '300715'])
      ()
      ROE
0  300715  42.29  3.12  9.160864e+09  6.397043e+09  BK0424  3.97  12.1659  5.
  ↪415488e+07  32.8765
1  600519  39.38  12.54  2.198082e+12  2.198082e+12  BK0477  8.29  54.1678  1.
  ↪395446e+10  91.6763

```

`efinance.stock.get_history_bill(stock_code: str) → pandas.core.frame.DataFrame`

Parameters `stock_code (str)` –

Returns

Return type DataFrame

Examples

```

>>> import efinance as ef
>>> ef.stock.get_history_bill('600519')

0      600519  2021-03-04 -3.670272e+06 -2282056.0  5.952143e+06  1.461528e+09 -1.
  ↪465199e+09  -0.03  -0.02  0.04  10.99  -11.02  2013.71  -5.05
1      600519  2021-03-05 -1.514880e+07 -1319066.0  1.646793e+07 -2.528896e+07  1.
  ↪014016e+07  -0.12  -0.01  0.13  -0.19  0.08  2040.82  1.35
2      600519  2021-03-08 -8.001702e+08 -877074.0  8.010473e+08  5.670671e+08 -1.
  ↪367237e+09  -6.29  -0.01  6.30  4.46  -10.75  1940.71  -4.91
3      600519  2021-03-09 -2.237770e+08 -6391767.0  2.301686e+08 -1.795013e+08 -4.
  ↪427571e+07  -1.39  -0.04  1.43  -1.11  -0.27  1917.70  -1.19
4      600519  2021-03-10 -2.044173e+08 -1551798.0  2.059690e+08 -2.378506e+08  3.
  ↪343331e+07  -2.02  -0.02  2.03  -2.35  0.33  1950.72  1.72
..      ...      ...      ...      ...      ...      ...      ...      ...
  ↪      ...      ...      ...      ...      ...      ...      ...      ...
97     600519  2021-07-26 -1.564233e+09  13142211.0  1.551091e+09 -1.270400e+08 -1.
  ↪437193e+09  -8.74  0.07  8.67  -0.71  -8.03  1804.11  -5.05
98     600519  2021-07-27 -7.803296e+08 -10424715.0  7.907544e+08  6.725104e+07 -8.
  ↪475807e+08  -5.12  -0.07  5.19  0.44  -5.56  1712.89  -5.06
99     600519  2021-07-28  3.997645e+08  2603511.0 -4.023677e+08  2.315648e+08  1.
  ↪681997e+08  2.70  0.02  -2.72  1.57  1.14  1768.90  3.27
100    600519  2021-07-29 -9.209842e+08 -2312235.0  9.232964e+08 -3.959741e+08 -5.
  ↪250101e+08  -8.15  -0.02  8.17  -3.50  -4.65  1749.79  -1.08
101    600519  2021-07-30 -1.524740e+09 -6020099.0  1.530761e+09  1.147248e+08 -1.
  ↪639465e+09  -11.63  -0.05  11.68  0.88  -12.51  1678.99  -4.05

```

`efinance.stock.get_latest_quote(stock_codes: List[str]) → pandas.core.frame.DataFrame`

Parameters `stock_codes` (`List[str]`) –

Returns

Return type `DataFrame`

Examples

```
>>> import efinance as ef
>>> ef.stock.get_latest_quote(['600519', '300750'])
```

0	600519	0.59	1700.04	1713.0	1679.0	1690.0	10.04	0.30	0.72	43.31
37905	6.418413e+09	1690.0	2135586507912	2135586507912	A					
1	300750	0.01	502.05	529.9	480.0	480.0	0.05	1.37	1.75	149.57
277258	1.408545e+10	502.0	1169278366994	1019031580505	A					

Notes

A `efinance.stock.get_realtime_quotes`

`efinance.stock.get_quote_history`(`stock_codes: Union[str, List[str]]`, `beg: str = '19000101'`, `end: str = '20500101'`, `klt: int = 101`, `fqt: int = 1`) →
`Union[pandas.core.frame.DataFrame, Dict[str, pandas.core.frame.DataFrame]]`

K

Parameters

- `stock_codes` (`Union[str, List[str]]`) –
- `beg` (`str`, *optional*) – '19000101' 190011
- `end` (`str`, *optional*) – '20500101' 205011
- `klt` (`int`, *optional*) – 101
 - 1 :
 - 5 : 5
 - 15 : 15
 - 30 : 30
 - 60 : 60
 - 101 :
 - 102 :
 - 103 :
- `fqt` (`int`, *optional*) – 1
 - 0 :
 - 1 :
 - 2 :

Returns

K

- DataFrame: stock_codes str
- Dict[str, DataFrame]: stock_codes List[str]

Return type Union[DataFrame, Dict[str, DataFrame]]**Examples**

```
>>> import efinance as ef
>>> # K
>>> ef.stock.get_quote_history('600519')
```

0	600519	2001-08-27	-89.74	-89.53	-89.08	-90.07	406318	1.
↪	410347e+09	-1.10	0.92	0.83	56.83			
1	600519	2001-08-28	-89.64	-89.27	-89.24	-89.72	129647	4.
↪	634630e+08	-0.54	0.29	0.26	18.13			
2	600519	2001-08-29	-89.24	-89.36	-89.24	-89.42	53252	1.
↪	946890e+08	-0.20	-0.10	-0.09	7.45			
3	600519	2001-08-30	-89.38	-89.22	-89.14	-89.44	48013	1.
↪	775580e+08	-0.34	0.16	0.14	6.72			
4	600519	2001-08-31	-89.21	-89.24	-89.12	-89.28	23231	8.
↪	623100e+07	-0.18	-0.02	-0.02	3.25			
...
↪			
4756	600519	2021-07-23	1937.82	1900.00	1937.82	1895.09	47585	9.
↪	057762e+09	2.20	-2.06	-40.01	0.38			
4757	600519	2021-07-26	1879.00	1804.11	1879.00	1780.00	98619	1.
↪	789436e+10	5.21	-5.05	-95.89	0.79			
4758	600519	2021-07-27	1803.00	1712.89	1810.00	1703.00	86577	1.
↪	523081e+10	5.93	-5.06	-91.22	0.69			
4759	600519	2021-07-28	1703.00	1768.90	1788.20	1682.12	85369	1.
↪	479247e+10	6.19	3.27	56.01	0.68			
4760	600519	2021-07-29	1810.01	1749.79	1823.00	1734.34	63864	1.
↪	129957e+10	5.01	-1.08	-19.11	0.51			

```
>>> #
>>> stock_df = ef.stock.get_quote_history(['600519', '300750'])
>>> type(stock_df)
<class 'dict'>
>>> stock_df.keys()
dict_keys(['300750', '600519'])
>>> stock_df['600519']
```

0	600519	2001-08-27	-89.74	-89.53	-89.08	-90.07	406318	1.
↪	410347e+09	-1.10	0.92	0.83	56.83			
1	600519	2001-08-28	-89.64	-89.27	-89.24	-89.72	129647	4.
↪	634630e+08	-0.54	0.29	0.26	18.13			
2	600519	2001-08-29	-89.24	-89.36	-89.24	-89.42	53252	1.
↪	946890e+08	-0.20	-0.10	-0.09	7.45			
3	600519	2001-08-30	-89.38	-89.22	-89.14	-89.44	48013	1.
↪	775580e+08	-0.34	0.16	0.14	6.72			

(continues on next page)

(continued from previous page)

```

4      600519  2001-08-31  -89.21  -89.24  -89.12  -89.28  23231  8.
↳623100e+07 -0.18 -0.02 -0.02  3.25
...
↳ ...
4756    600519  2021-07-23  1937.82  1900.00  1937.82  1895.09  47585  9.
↳057762e+09  2.20 -2.06 -40.01  0.38
4757    600519  2021-07-26  1879.00  1804.11  1879.00  1780.00  98619  1.
↳789436e+10  5.21 -5.05 -95.89  0.79
4758    600519  2021-07-27  1803.00  1712.89  1810.00  1703.00  86577  1.
↳523081e+10  5.93 -5.06 -91.22  0.69
4759    600519  2021-07-28  1703.00  1768.90  1788.20  1682.12  85369  1.
↳479247e+10  6.19  3.27  56.01  0.68
4760    600519  2021-07-29  1810.01  1749.79  1823.00  1734.34  63864  1.
↳129957e+10  5.01 -1.08 -19.11  0.51

```

`efinance.stock.get_realtime_quotes()` → `pandas.core.frame.DataFrame`

Returns A

Return type DataFrame

Examples

```

>>> import efinance as ef
>>> ef.stock.get_realtime_quotes()

↳
ID
0      688787  N  277.59  139.48  172.39  139.25  171.66  102.54  85.62  -
↳78.93  74519  1110318832.0  36.94  5969744000  1213908667  1.688787  A
1      301045  N  149.34  39.42  48.95  39.2  48.95  23.61  66.66  -
↳37.81  163061  683878656.0  15.81  4066344240  964237089  0.301045  A
2      300532  20.04  12.16  12.16  10.69  10.69  2.03  8.85  3.02  -22.
↳72  144795  171535181.0  10.13  3322510580  1989333440  0.300532  A
3      300600  20.02  13.19  13.19  11.11  11.41  2.2  18.61  2.82  218.
↳75  423779  541164432.0  10.99  3915421427  3003665117  0.300600  A
4      300985  20.01  47.08  47.08  36.8  39.4  7.85  66.65  2.17  58.
↳37  210697  897370992.0  39.23  6277336472  1488300116  0.300985  A
...
↳ ...
4598  603186  -10.0  43.27  44.09  43.27  43.99  -4.81  1.98  0.48  25.
↳24  27697  120486294.0  48.08  6146300650  6063519472  1.603186  A
4599  688185  -U  -10.11  476.4  534.94  460.13  530.0  -53.6  6.02  2.74  -2088.
↳07  40239  1960540832.0  530.0  117885131884  31831479215  1.688185  A
4600  688148  -10.57  31.3  34.39  31.3  33.9  -3.7  26.07  0.56  220.
↳01  188415  620632512.0  35.0  15923562000  2261706043  1.688148  A
4601  300034  -10.96  43.12  46.81  42.88  46.5  -5.31  7.45  1.77  59.
↳49  323226  1441101824.0  48.43  20959281094  18706911861  0.300034  A
4602  300712  -13.71  96.9  110.94  95.4  109.0  -15.4  6.96  1.26  511.
↳21  126705  1265152928.0  112.3  17645877600  17645877600  0.300712  A

```

`efinance.stock.get_today_bill(stock_code: str)` → `pandas.core.frame.DataFrame`

Parameters `stock_code (str)` –

Returns

Return type `DataFrame`

Examples

```
>>> import efinance as ef
>>> ef.stock.get_today_bill('600519')

0      600519  2021-07-29  09:31   -3261705.0   -389320.0    3651025.0   -12529658.0  ↵
↵ 9267953.0
1      600519  2021-07-29  09:32    6437999.0   -606994.0   -5831006.0   -42615994.0  ↵
↵ 49053993.0
2      600519  2021-07-29  09:33   13179707.0   -606994.0   -12572715.0   -85059118.0  ↵
↵ 98238825.0
3      600519  2021-07-29  09:34   15385244.0   -970615.0   -14414632.0   -86865209.0  ↵
↵ 102250453.0
4      600519  2021-07-29  09:35    7853716.0   -970615.0   -6883104.0   -75692436.0  ↵
↵ 83546152.0
..      ...      ...      ...      ...      ...      ...      ...  ↵
↵ ...
235    600519  2021-07-29  14:56  -918956019.0  -1299630.0   920255661.0  -397127393.0  -
↵ 521828626.0
236    600519  2021-07-29  14:57  -920977761.0  -2319213.0   923296987.0  -397014702.0  -
↵ 523963059.0
237    600519  2021-07-29  14:58  -920984196.0  -2312233.0   923296442.0  -395974137.0  -
↵ 525010059.0
238    600519  2021-07-29  14:59  -920984196.0  -2312233.0   923296442.0  -395974137.0  -
↵ 525010059.0
239    600519  2021-07-29  15:00  -920984196.0  -2312233.0   923296442.0  -395974137.0  -
↵ 525010059.0
```

`efinance.stock.get_top10_stock_holder_info(stock_code: str, top: int = 4) → pandas.core.frame.DataFrame`

Parameters

- `stock_code (str)` –
- `top (int, optional)` – top 10, 4

Returns 10

Return type `DataFrame`

Examples

```
>>> import efinance as ef
>>> ef.stock.get_top10_stock_holder_info('600519', top = 1)
```

0	600519	2021-03-31	80010298		()	6.783	54.00%	--	
1	600519	2021-03-31	80637337				9594	7.64%	-841.1 -
									↪8.06%
2	600519	2021-03-31	80732941			5700	4.54%	-182.7	-3.11%
3	600519	2021-03-31	80010302			2781	2.21%		--
4	600519	2021-03-31	80475097			1079	0.86%		--
5	600519	2021-03-31	80188285			803.9	0.64%	-91	0.
									↪00%
6	600519	2021-03-31	78043999	-	502.1	0.40%		--	
7	600519	2021-03-31	70400207	---005L-CT001	434.1	0.35%	44.72	11.48%	
8	600519	2021-03-31	005827	-	432	0.34%		--	
9	600519	2021-03-31	78083830	-	416.1	0.33%		--	

Fund

`efinance.fund.get_base_info(fund_codes: Union[str, List[str]]) → Union[pandas.core.series.Series, pandas.core.frame.DataFrame]`

Parameters `fund_codes` (Union[str, List[str]]) – 6 6

Returns

- Series : (fund_codes)
- DataFrame : (fund_codes)

Return type Union[Series, DataFrame]

Raises **TypeError** – fund_codes

Examples

```
>>> import efinance as ef
>>> ef.fund.get_base_info('161725')
```

	161725
(LOF)A	
2015-05-27	
-6.03	
1.1959	
2021-07-30	

dtype: object

```

>>> #
>>> ef.fund.get_base_info(['161725', '005827'])
00:00,
↪ 6.38it/s]
0  005827          2018-09-05 -2.98  2.4967  2021-07-30  A+H
1  161725  (LOF)A  2015-05-27 -6.03  1.1959  2021-07-30

```

`efinance.fund.get_fund_codes(ft: Optional[str] = None) → pandas.core.frame.DataFrame`

Parameters `ft (str, optional) –`

- 'zq' :
- 'gp' :
- None :

Returns

Return type DataFrame

Examples

```

>>> import efinance as ef
>>> #
>>> ef.fund.get_fund_codes()
>>> #
>>> ef.fund.get_fund_codes(ft = 'gp')
0      003834
1      005669
2      004040          A
3      517793          1.20%
4      004041          C
...
1981  012503      50ETF
1982  012517  ETF
1983  012600          C
1984  011043          C
1985  012516  ETF

```

`efinance.fund.get_industry_distribution(fund_code: str, dates: Union[str, List[str]] = None) → pandas.core.frame.DataFrame`

Parameters

- **fund_code** (str) – 6
- **dates** (Union[str, List[str]], optional) –
 - None :
 - '2020-01-01' :
 - ['2020-12-31' , '2019-12-31'] :

Returns

Return type DataFrame

Examples

```
>>> import efinance as ef
>>> #
>>> public_dates = ef.fund.get_public_dates('161725')
>>> #
>>> dates = public_dates[:1]
>>> ef.fund.get_industry_distribution('161725', dates)
0  161725          93.07  2021-06-30  6492580.019556
1  161725          0.01  2021-06-30    485.060688
2  161725          0  2021-06-30      0.585078
3  161725    0  2021-06-30      1.302039
4  161725          0  2021-06-30      2.537137
5  161725          0  2021-06-30      5.888394
6  161725    0  2021-06-30    157.037536
7  161725    0  2021-06-30      4.443833
8  161725          0  2021-06-30      1.626203
9  161725    0  2021-06-30      48.30805
10 161725          --  2021-06-30          --
11 161725          --  2021-06-30          --
12 161725          --  2021-06-30          --
13 161725          --  2021-06-30          --
14 161725          --  2021-06-30          --
15 161725          --  2021-06-30          --
16 161725          --  2021-06-30          --
17 161725          --  2021-06-30          --
18 161725          --  2021-06-30          --
19 161725          93.08  2021-06-30  6493286.808514
```

`efinance.fund.get_inverst_position(fund_code: str, dates: Union[str, List[str]] = None) → pandas.core.frame.DataFrame`

Parameters

- **fund_code** (*str*) –
- **dates** (*Union[str, List[str]]*, optional) –
 - None :
 - '2020-01-01' :
 - ['2020-12-31' , '2019-12-31'] :

Returns

Return type DataFrame

Examples

```

>>> import efinance as ef
>>> #
>>> ef.fund.get_inverst_position('161725')

0 161725 000858      14.88   1.45
1 161725 600519      14.16  -0.86
2 161725 600809      14.03  -0.83
3 161725 000568      13.02  -2.96
4 161725 002304      12.72   1.31
5 161725 000799       5.77   1.34
6 161725 603369       3.46  -0.48
7 161725 000596       2.81  -0.29
8 161725 600779       2.52   2.52
9 161725 603589       2.48  -0.38
>>> # 2
>>> public_dates = ef.fund.get_public_dates('161725')
>>> ef.fund.get_inverst_position('161725',public_dates[:2])

0 161725 000858      14.88   1.45
2 161725 600809      14.03  -0.83
3 161725 000568      13.02  -2.96
4 161725 002304      12.72   1.31
5 161725 000799       5.77   1.34
6 161725 603369       3.46  -0.48
7 161725 000596       2.81  -0.29
8 161725 600779       2.52   2.52
9 161725 603589       2.48  -0.38
0 161725 000568      15.98   1.27
1 161725 600519      15.02   2.35
2 161725 600809      14.86  -0.37
3 161725 000858      13.43   0.54
4 161725 002304      11.41  -2.21
5 161725 000799       4.43  -0.15
6 161725 603369       3.94  -0.09
7 161725 000860       3.12  -0.70
8 161725 000596       3.10  -0.15
9 161725 603589       2.86   0.21

```

`efinance.fund.get_pdf_reports(fund_code: str, max_count: int = 12, save_dir: str = 'pdf') → None`
pdf

Parameters

- `fund_code` (str) – 6
- `max_count` (int, optional) – pdf (), 12
- `save_dir` (str, optional) – pdf, 'pdf'

Examples

```
>>> import efinance as ef
>>> # 161725 pdf
>>> ef.fund.get_pdf_reports('161725', max_count = 2)
161725 pdf pdf/161725
```

`efinance.fund.get_period_change(fund_code: str) → pandas.core.frame.DataFrame`

Parameters `fund_code (str)` – 6

Returns

Return type DataFrame

Examples

```
>>> import efinance as ef
>>> ef.fund.get_period_change('161725')
```

0	161725	-6.28	0.07	1408	1409
1	161725	10.85	5.82	178	1382
2	161725	25.32	7.10	20	1332
3	161725	22.93	10.39	79	1223
4	161725	103.76	33.58	7	1118
5	161725	166.59	55.42	9	796
6	161725	187.50	48.17	2	611
7	161725	519.44	61.62	1	389
8	161725	6.46	5.03	423	1243
9	161725	477.00			

`efinance.fund.get_public_dates(fund_code: str) → List[str]`

Parameters `fund_code (str)` – 6

Returns

Return type List[str]

Examples

```
>>> import efinance as ef
>>> public_dates = ef.fund.get_public_dates('161725')
>>> # 5
>>> public_dates[:5]
['2021-03-31', '2021-01-08', '2020-12-31', '2020-09-30', '2020-06-30']
```

`efinance.fund.get_quote_history(fund_code: str, pz: int = 40000) → pandas.core.frame.DataFrame`

Parameters

- `fund_code (str)` – 6

- `pz(int, optional) - , 40000`

Returns**Return type** DataFrame**Examples**

```
>>> import efinance as ef
>>> ef.fund.get_quote_history('161725')

0      2021-06-11  1.5188  3.1499  -3.09
1      2021-06-10  1.5673  3.1984   1.69
2      2021-06-09  1.5412  3.1723   0.11
3      2021-06-08  1.5395  3.1706  -6.5
4      2021-06-07  1.6466  3.2777   1.61
...
1469  2015-06-08  1.0380  1.0380  2.5692
1470  2015-06-05  1.0120  1.0120  1.5045
1471  2015-06-04  0.9970  0.9970   --
1472  2015-05-29  0.9950  0.9950   --
1473  2015-05-27  1.0000  1.0000   --
```

`efinance.fund.get_realtime_increase_rate(fund_codes: Union[List[str], str]) → pandas.core.frame.DataFrame`

Parameters `fund_codes` (`Union[List[str], str]`) – 6 6**Returns****Return type** DataFrame**Examples**

```
>>> import efinance as ef
>>> #
>>> ef.fund.get_realtime_increase_rate('161725')

0  161725  (LOF)A  -0.64  2021-06-15  11:13
>>> #
>>> ef.fund.get_realtime_increase_rate(['161725', '005827'])

0  161725  (LOF)A  -0.60  2021-06-15  11:16
1  005827          -1.36  2021-06-15  11:16
```

`efinance.fund.get_types_persentage(fund_code: str, dates: Optional[Union[List[str], str]] = None) → pandas.core.frame.DataFrame`

Parameters

- `fund_code` (`str`) – 6
- `dates` (`Union[List[str], str, None]`) – (dates)

- None :
- '2020-01-01' :
- ['2020-12-31' , '2019-12-31'] :

Returns**Return type** DataFrame**Examples**

```
>>> import efinance as ef
>>> #
>>> public_dates = ef.fund.get_public_dates('005827')
>>> #
>>> dates = public_dates[:2]
>>> ef.fund.get_types_percentage('005827', dates)
      ()
0  005827   94.4   --   6.06  880.1570625231   0
0  005827  94.09   --   7.63  677.007455712   0
```

Bond

efinance.bond.get_all_base_info() → pandas.core.frame.DataFrame

Returns**Return type** DataFrame**Examples**

```
>>> import efinance as ef
>>> ef.bond.get_all_base_info()
      () (%)      ()
↪
0  123120   300263   AA-  2021-07-30 00:00:00   7.989283      NaN
↪      None  2027-07-30 00:00:00      6   0.40%0.70%1.00%1.60%2....
1  110081   600745   AA+  2021-07-28 00:00:00   86.000000   0.044030
↪      None  2027-07-28 00:00:00      6   0.10%0.20%0.30%1.50%1.80%...
2  118001   688598   A+   2021-07-23 00:00:00   5.999010   0.001771
↪      None  2027-07-23 00:00:00      6   0.50%0.70%1.20%1.80%2.40%...
3  123119   2 300601   AA  2021-07-15 00:00:00   20.000000   0.014182
↪      None  2027-07-15 00:00:00      6   0.30%0.50%1.00% 1.50%1....
4  113627   603877   AA  2021-07-15 00:00:00   8.000000   0.000542
↪      None  2027-07-15 00:00:00      6   0.30%0.50%1.00%1.50%1.80%...
..      ...      ...      ...      ...      ...      ...      ...
↪      ...      ...      ...      ...      ...
↪      ...
80 110227   600227   AAA  2007-10-10 00:00:00   4.500000   0.158854  2007-10-
↪23 00:00:00  2009-05-25 00:00:00   1.6192   : 1.5%1.8%2....
81 126006  07 600548   AAA  2007-10-09 00:00:00  15.000000   0.290304  2007-10-
↪30 00:00:00  2013-10-09 00:00:00      6
↪      None
↪
```

(continues on next page)

(continued from previous page)

```

82 110971      600971    AAA  2007-09-24 00:00:00  4.000000  5.311774  2007-10-
→12 00:00:00  2009-12-21 00:00:00  2.2484   :1.5%,1.8%,2.1%,2...
83 110567      600567    AA   2007-09-05 00:00:00  4.700000  0.496391  2007-09-
→17 00:00:00  2010-02-01 00:00:00  2.4055   :1.4%,1.7%,2....
84 110026      600026    AAA  2007-07-02 00:00:00  20.000000  1.333453  2007-07-
→12 00:00:00  2008-03-27 00:00:00   0.737    :1.84%,2.05%,2.26%,2.47%,...
```

`efinance.bond.get_base_info(bond_codes: Union[str, List[str]]) → Union[pandas.core.frame.DataFrame, pandas.core.series.Series]`

Parameters `bond_codes` (`Union[str, List[str]]`) –

Returns

- `DataFrame`: `bond_codes`
- `Series`: `bond_codes`

Return type `Union[DataFrame, Series]`

Examples

```

>>> import efinance as ef
>>> #
>>> ef.bond.get_base_info('123111')

                                123111
                                3
                                300059

                                AA+
                                2021-04-07 00:00:00
()                                158
(%)                                0.05877
                                2021-04-23 00:00:00
                                2027-04-07 00:00:00
()                                6
                                0.2%0.3%0.4%0.8%1.8%2.0%
dtype: object
```

```

>>>
>>> bond_codes = ['123111', '113050']
>>> ef.bond.get_base_info(bond_codes)

...                                ()

→
0  113050  601009  ...  2021-07-01 00:00:00  2027-06-15 00:00:00  6  0.20%0.
→40%0.70%1.20%
1.70%...
1  123111  3  300059  ...  2021-04-23 00:00:00  2027-04-07 00:00:00  6  0.2
→%0.3%0.4%0.8%
1.8%2.0%
```

`efinance.bond.get_history_bill(bond_code: str) → pandas.core.frame.DataFrame`

Parameters `bond_code` (`str`) –

Returns

Return type `DataFrame`

Examples

```
>>> import efinance as ef
>>> ef.bond.get_history_bill('123111')
```

`efinance.bond.get_quote_history(bond_codes: Union[str, List[str]], beg: str = '19000101', end: str = '20500101', klt: int = 101, fqt: int = 1) → Union[pandas.core.frame.DataFrame, Dict[str, pandas.core.frame.DataFrame]]`

K

Parameters

- `bond_codes` (`Union[str, List[str]]`) –
- `beg` (`str`, *optional*) – '19000101' 190011
- `end` (`str`, *optional*) – '20500101' 205011
- `klt` (`int`, *optional*) – 101
 - 1 :
 - 5 : 5
 - 15 : 15
 - 30 : 30
 - 60 : 60
 - 101 :
 - 102 :
 - 103 :
- `fqt` (`int`, *optional*) – 1
 - 0 :
 - 1 :
 - 2 :

Returns

K

- `DataFrame`: codes `str`
- `Dict[str, DataFrame]`: `bond_codes` `List[str]`

Return type `Union[DataFrame, Dict[str, DataFrame]]`

Examples

```
>>> import efinance as ef
>>> # K
>>> ef.bond.get_quote_history('123111')
```

0	3	123111	2021-04-23	130.000	130.000	130.000	130.000	1836427	2.
				↪387355e+09	0.00	30.00	30.000	11.62	
1	3	123111	2021-04-26	130.353	130.010	133.880	125.110	8610944	1.
				↪126033e+10	6.75	0.01	0.010	54.50	
2	3	123111	2021-04-27	129.000	129.600	130.846	128.400	1820766	2.
				↪357472e+09	1.88	-0.32	-0.410	11.52	
3	3	123111	2021-04-28	129.100	130.770	131.663	128.903	1467727	1.
				↪921641e+09	2.13	0.90	1.170	9.29	
4	3	123111	2021-04-29	130.690	131.208	133.150	130.560	1156934	1.
				↪525974e+09	1.98	0.33	0.438	7.32	
..
				↪...	
72	3	123111	2021-08-09	159.600	159.300	162.990	158.690	596124	9.
				↪585751e+08	2.69	-0.34	-0.550	3.77	
73	3	123111	2021-08-10	159.190	160.950	161.450	157.000	517237	8.
				↪234596e+08	2.79	1.04	1.650	3.27	
74	3	123111	2021-08-11	161.110	159.850	162.300	159.400	298906	4.
				↪800711e+08	1.80	-0.68	-1.100	1.89	
75	3	123111	2021-08-12	159.110	158.290	160.368	158.010	270641	4.
				↪298100e+08	1.48	-0.98	-1.560	1.71	
76	3	123111	2021-08-13	158.000	158.358	160.290	157.850	250059	3.
				↪975513e+08	1.54	0.04	0.068	1.58	

`efinance.bond.get_realtime_quotes()` → `pandas.core.frame.DataFrame`

Returns

Return type `DataFrame`

Examples

```
>>> import efinance as ef
>>> ef.bond.get_realtime_quotes()
```

	ID								
0	123051	24.03	158.66	165.0	134.0	134.0	30.74	496.74	67.16
	↪1388341	2185911136.0	127.92	443443594	443443594	0.123051	A		
1	123042	16.04	219.309	224.0	193.11	194.5	30.309	1833.99	1.34
	↪3042265	6402014720.0	189.0	363794813	363794813	0.123042	A		
2	113034	13.49	247.71	255.62	214.5	214.5	29.45	334.56	2.96
	↪1585993	3798255024.0	218.26	1174284861	1174284861	1.113034	A		
3	128064	11.29	148.01	150.34	133.007	133.73	15.01	277.06	7.04
	↪887301	1305800336.0	133.0	474009426	474009426	0.128064	A		
4	113027	8.38	129.86	130.2	122.3	123.0	10.04	83.84	4.15
	↪272641	346817120.0	119.82	422273164	422273164	1.113027	A		
..
	↪...

.. (continues on next page)

(continued from previous page)

390	113621	-4.45	188.57	198.22	188.0	196.01	-8.79	29.91	0.47	└
↪-	168709	326018848.0	197.36	1063693010	1063693010	1.113621	A			└
391	128017	-4.86	182.676	204.989	182.61	195.16	-9.324	35.58	2.0	└
↪-	196375	375750768.0	192.0	1008366222	1008366222	0.128017	A			└
392	113548	-5.16	250.22	267.57	246.56	262.3	-13.61	143.32	0.72	└
↪-	175893	452796304.0	263.83	307086749	307086749	1.113548	A			└
393	128093	-5.71	429.042	449.97	426.078	443.1	-25.958	426.86	0.36	└
↪-	693261	3032643232.0	455.0	696810974	696810974	0.128093	A			└
394	123066	-6.0	193.08	203.999	193.08	203.0	-12.32	323.13	0.22	└
↪-	133317	261546032.0	205.4	79660753	79660753	0.123066	A			└

`efinance.bond.get_today_bill(bond_code: str) → pandas.core.frame.DataFrame`

Parameters `bond_code` (*str*) –

Returns

Return type `DataFrame`

Examples

```
>>> import efinance as ef
>>> ef.bond.get_today_bill('123111')
```

0	3	123111	2021-08-13 09:31	-278046.0	319657.0	-41611.0	-278046.0	└
↪	0.0							
1	3	123111	2021-08-13 09:32	-988506.0	571643.0	416863.0	-988506.0	└
↪	0.0							
2	3	123111	2021-08-13 09:33	-990089.0	501980.0	488109.0	-990089.0	└
↪	0.0							
3	3	123111	2021-08-13 09:34	-1718728.0	9051.0	1709678.0	-1718728.0	└
↪	0.0							
4	3	123111	2021-08-13 09:35	-1653717.0	-133654.0	1787373.0	-1653717.0	└
↪	0.0							
..	└
↪	...							
235	3	123111	2021-08-13 14:56	5942063.0	-747717.0	-5194332.0	11700567.0	-
↪	5758504.0							
236	3	123111	2021-08-13 14:57	5916755.0	-483170.0	-5433570.0	11963346.0	-
↪	6046591.0							
237	3	123111	2021-08-13 14:58	5503692.0	-187241.0	-5316435.0	11757642.0	-
↪	6253950.0							
238	3	123111	2021-08-13 14:59	5503692.0	-187241.0	-5316435.0	11757642.0	-
↪	6253950.0							
239	3	123111	2021-08-13 15:00	5503692.0	-187241.0	-5316435.0	11757642.0	-
↪	6253950.0							

Futures

`efinance.futures.get_futures_base_info()` → `pandas.core.frame.DataFrame`

Returns

Return type `DataFrame`

Examples

```
>>> import efinance as ef
>>> ef.futures.get_futures_base_info()
      secid
0      jmm      114.jmm
1  jm2109  2109  114.jm2109
2  ss2204  2204  113.ss2204
3  jm2110  2110  114.jm2110
4  jm2108  2108  114.jm2108
..      ...      ...      ...
782  i2204  2204  114.i2204
783  i2112  2112  114.i2112
784  i2203  2203  114.i2203
785      im      114.im
786  i2109  2109  114.i2109
```

`efinance.futures.get_quote_history(secids: Union[str, List[str]], beg: str = '19000101', end: str = '20500101', klt: int = 101, fqt: int = 1)` → `pandas.core.frame.DataFrame`

Parameters

- **secids** (`Union[str, List[str]]`) – secid secid
- **beg** (`str, optional`) – '19000101' 190011
- **end** (`str, optional`) – '20500101' 205011
- **klt** (`int, optional`) – 101
 - 1:
 - 5: 5
 - 15: 15
 - 30: 30
 - 60: 60
 - 101:
 - 102:
 - 103:
- **fqt** (`int, optional`) – 1
 - 0:
 - 1:

– 2:

Returns

K

- DataFrame: secids str
- Dict[str, DataFrame]: secids List[str]

Return type Union[DataFrame, Dict[str, DataFrame]]

Raises **TypeError** – secids

Examples

```
>>> import efinance as ef
>>> # secid
>>> secid = '115.ZCM'
>>> ef.futures.get_quote_history(secid)
```

0	ZCM	2015-05-18	440.0	437.6	440.2	437.6	64	2.806300e+06	0.00	0.
↪00	0.0	0.0								
1	ZCM	2015-05-19	436.0	437.0	437.6	436.0	6	2.621000e+05	0.36	-0.
↪32	-1.4	0.0								
2	ZCM	2015-05-20	436.8	435.8	437.0	434.8	8	3.487500e+05	0.50	-0.
↪23	-1.0	0.0								
3	ZCM	2015-05-21	438.0	443.2	446.8	437.8	37	1.631850e+06	2.06	1.
↪65	7.2	0.0								
4	ZCM	2015-05-22	439.2	441.4	443.8	439.2	34	1.502500e+06	1.04	0.
↪09	0.4	0.0								
...
↪
1509	ZCM	2021-07-27	897.0	892.4	915.8	888.0	109033	9.802067e+09	3.10	-0.
↪53	-4.8	0.0								
1510	ZCM	2021-07-28	892.4	902.4	909.6	890.4	89853	8.086770e+09	2.14	0.
↪38	3.4	0.0								
1511	ZCM	2021-07-29	902.6	918.6	919.0	900.4	83106	7.562646e+09	2.07	2.
↪07	18.6	0.0								
1512	ZCM	2021-07-30	918.6	927.2	943.0	906.2	129862	1.202003e+10	4.04	1.
↪89	17.2	0.0								
1513	ZCM	2021-08-02	898.0	870.0	898.0	852.4	101722	8.900675e+09	4.93	-6.
↪01	-55.6	0.0								

```
>>> # secid
>>> secids = ['115.ZCM', '115.ZC109']
>>> futures_df = ef.futures.get_quote_history(secids)
>>> type(futures_df)
<class 'dict'>
>>> futures_df.keys()
dict_keys(['115.ZC109', '115.ZCM'])
>>> futures_df['115.ZC109']
```

0	109	ZC109	2020-09-09	551.2	551.2	551.2	551.2	2	1.102400e+05	0.00	↪
↪	0.00	0.0	0.0								

(continues on next page)

(continued from previous page)

1	109	ZC109	2020-09-10	548.6	545.0	549.8	545.0	6	3.289200e+05	0.87	↪
				↪ -1.12	-6.2	0.0					
2	109	ZC109	2020-09-11	545.0	544.2	548.4	543.0	7	3.815000e+05	0.99	↪
				↪ -0.73	-4.0	0.0					
3	109	ZC109	2020-09-14	546.0	550.4	550.4	546.0	7	3.843000e+05	0.81	↪
				↪ 0.99	5.4	0.0					
4	109	ZC109	2020-09-15	549.0	551.2	551.6	549.0	14	7.705600e+05	0.47	↪
				↪ 0.40	2.2	0.0					
..
				↪				
212	109	ZC109	2021-07-27	897.0	892.4	915.8	888.0	109033	9.802067e+09	3.10	↪
				↪ -0.53	-4.8	0.0					
213	109	ZC109	2021-07-28	892.4	902.4	909.6	890.4	89853	8.086770e+09	2.14	↪
				↪ 0.38	3.4	0.0					
214	109	ZC109	2021-07-29	902.6	918.6	919.0	900.4	83106	7.562646e+09	2.07	↪
				↪ 2.07	18.6	0.0					
215	109	ZC109	2021-07-30	918.6	927.2	943.0	906.2	129862	1.202003e+10	4.04	↪
				↪ 1.89	17.2	0.0					
216	109	ZC109	2021-08-02	898.0	870.0	898.0	852.4	101722	8.900675e+09	4.93	↪
				↪ -6.01	-55.6	0.0					

PYTHON MODULE INDEX

e

`efinance.bond`, [47](#)
`efinance.fund`, [41](#)
`efinance.futures`, [52](#)
`efinance.stock`, [33](#)

INDEX

E

`efinance.bond`
 module, 47
`efinance.fund`
 module, 41
`efinance.futures`
 module, 52
`efinance.stock`
 module, 33

G

`get_all_base_info()` (in module *efinance.bond*), 47
`get_all_company_performance()` (in module *efinance.stock*), 33
`get_all_report_dates()` (in module *efinance.stock*), 34
`get_base_info()` (in module *efinance.bond*), 48
`get_base_info()` (in module *efinance.fund*), 41
`get_base_info()` (in module *efinance.stock*), 35
`get_fund_codes()` (in module *efinance.fund*), 42
`get_futures_base_info()` (in module *efinance.futures*), 52
`get_history_bill()` (in module *efinance.bond*), 48
`get_history_bill()` (in module *efinance.stock*), 36
`get_industry_distribution()` (in module *efinance.fund*), 42
`get_inverst_position()` (in module *efinance.fund*), 43
`get_latest_quote()` (in module *efinance.stock*), 36
`get_pdf_reports()` (in module *efinance.fund*), 44
`get_period_change()` (in module *efinance.fund*), 45
`get_public_dates()` (in module *efinance.fund*), 45
`get_quote_history()` (in module *efinance.bond*), 49
`get_quote_history()` (in module *efinance.fund*), 45
`get_quote_history()` (in module *efinance.futures*), 52
`get_quote_history()` (in module *efinance.stock*), 37
`get_realtime_increase_rate()` (in module *efinance.fund*), 46
`get_realtime_quotes()` (in module *efinance.bond*), 50
`get_realtime_quotes()` (in module *efinance.stock*), 39
`get_today_bill()` (in module *efinance.bond*), 51
`get_today_bill()` (in module *efinance.stock*), 39

`get_top10_stock_holder_info()` (in module *efinance.stock*), 40
`get_types_percentage()` (in module *efinance.fund*), 46

M

module
 `efinance.bond`, 47
 `efinance.fund`, 41
 `efinance.futures`, 52
 `efinance.stock`, 33