
finvizfinance

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It is a Finviz Finance information downloader.

CHAPTER 1

Installation (python >= v3.5)

```
> virtualenv -p python3 virtualenvironment  
> source virtualenvironment/bin/activate  
> pip install finvizfinance
```


CHAPTER 2

Quote Examples

```
import pandas as pd
from finvizfinance.quote import finvizfinance

stock = finvizfinance('tsla')
```

Example downloading chart:

```
stock.TickerCharts(out_dir='asset')
```

Example getting individual ticker information

```
stock_fundament = stock.ticker_fundament()
stock_description = stock.ticker_description()
outer_ratings_df = stock.ticker_outer_ratings()
news_df = stock.ticker_news()
inside_trader_df = stock.ticker_inside_trader()
```


CHAPTER 3

Screener Example

```
from finvizfinance.screener.overview import Overview
foverview = Overview()
filters_dict = {'Exchange': 'AMEX', 'Sector': 'Basic Materials'}
foverview.set_filter(filters_dict=filters_dict)
df = foverview.screener_view()
df.head()
```


CHAPTER 4

News Example

```
from finvizfinance.news import News
fnews = News()
all_news = fnews.get_news()
# all_news['news'].head()
# all_news['blogs'].head()
```


CHAPTER 5

Insider Example

```
from finvizfinance.insider import Insider
finsider = Insider(option='top owner trade')
finsider.get_insider().head()
```


6.1 Quote

Getting individual ticker information.

```
class finvizfinance.quote.Quote  
    quote Getting current price of the ticker
```

```
    get_current (ticker)  
        Getting current price of the ticker.
```

Returns price of the ticker

Return type price(float)

```
class finvizfinance.quote.Statements  
    Getting statements of ticker
```

```
    get_statements (ticker, statement='I', timeframe='A')  
        Getting statements of ticker.
```

Parameters

- **ticker** (*str*) – ticker string
- **statement** (*str*) – I(Income Statement), B(Balace Sheet), C(Cash Flow)
- **timeframe** (*str*) – A(Annual), Q(Quarter)

Returns statements table

Return type df(pandas.DataFrame)

```
class finvizfinance.quote.finvizfinance (ticker, verbose=0)  
    Getting information from the individual ticker.
```

Parameters

- **ticker** (*str*) – ticker string

- **verbose** (*int*) – choice of visual the progress. 1 for visualize progress.

ticker_charts (*timeframe='daily', charttype='advanced', out_dir="", urlonly=False*)
Download ticker charts.

Parameters

- **timeframe** (*str*) – choice of timeframe (daily, weekly, monthly).
- **charttype** (*str*) – choice of type of chart (candle, line, advanced).
- **out_dir** (*str*) – output image directory. default none.
- **urlonly** (*bool*) – choice of downloading charts, default: downloading chart

Returns url for the chart

Return type charturl(str)

ticker_description ()
Get ticker description.

Returns ticker description.

Return type description(str)

ticker_full_info ()
Get all the ticker information.

Returns insider information table

Return type df(pandas.DataFrame)

ticker_fundament (*raw=True, output_format='dict'*)
Get ticker fundament.

Parameters

- **raw** (*boolean*) – if True, the data is raw.
- **output_format** (*str*) – choice of output format (dict, series).

Returns ticker fundament.

Return type fundament(dict)

ticker_inside_trader ()
Get insider information table.

Returns insider information table

Return type df(pandas.DataFrame)

ticker_news ()
Get news information table.

Returns news information table

Return type df(pandas.DataFrame)

ticker_outer_ratings ()
Get outer ratings table.

Returns outer ratings table

Return type df(pandas.DataFrame)

ticker_signal ()
Get all the trading signals from finviz.

Returns get all the ticker signals as list.

Return type ticker_signals(list)

6.2 Screener

Getting screener information.

6.2.1 Overview

class finvizfinance.screener.overview.Overview

Getting information from the finviz screener overview page.

compare (ticker, compare_list, order='ticker', verbose=1)

Get screener table of similar property (Sector, Industry, Country)

Parameters

- **ticker** (str) – the ticker to compare
- **compare_list** (list) – choice of compare property (Sector, Industry, Country) or combination.
- **order** (str) – sort the table by the choice of order
- **verbose** (int) – choice of visual the progress. 1 for visualize progress

Returns screener information table

Return type df(pandas.DataFrame)

get_filter_options (screen_filter)

Get filters options.

Parameters **screen_filter** (str) – screen filter for checking options

Returns all the available filters

Return type filter_options(list)

get_filters ()

Get filters.

Returns all the available filters

Return type filters(list)

get_orders ()

Get orders.

Returns all the available orders

Return type orders(list)

get_signal ()

Get signals.

Returns all the available trading signals

Return type signals(list)

```
screener_view (order='ticker', limit=-1, select_page=None, verbose=1, ascend=True,
               sleep_sec=1)
```

Get screener table.

Parameters

- **order** (*str*) – sort the table by the choice of order.
- **limit** (*int*) – set the top k rows of the screener.
- **select_page** (*int*) – set the page of the screener.
- **verbose** (*int*) – choice of visual the progress. 1 for visualize progress.
- **ascend** (*bool*) – if True, the order is ascending.
- **sleep_sec** (*int*) – sleep seconds for fetching each page.

Returns screener information table

Return type df(pandas.DataFrame)

```
set_filter (signal="", filters_dict={}, ticker="")
```

Update the settings.

Parameters

- **signal** (*str*) – ticker signal
- **filters_dict** (*dict*) – dictionary of filters
- **ticker** (*str*) – ticker string

6.2.2 Valuation

```
class finvizfinance.screener.valuation.Valuation
```

Valuation inherit from overview module. Getting information from the finviz screener valuation page.

6.2.3 Financial

```
class finvizfinance.screener.financial.Financial
```

Financial inherit from overview module. Getting information from the finviz screener financial page.

6.2.4 Ownership

```
class finvizfinance.screener.ownership.Ownership
```

Ownership inherit from overview module. Getting information from the finviz screener ownership page.

6.2.5 Technical

```
class finvizfinance.screener.technical.Technical
```

Technical inherit from overview module. Getting information from the finviz screener technical page.

6.2.6 Custom

class finvizfinance.screener.custom.**Custom**

Custom inherit from overview module. Getting information from the finviz screener custom page.

get_columns ()

Get information about the columns

Returns return the index and column name.

Return type columns(dict)

screener_view (order='ticker', limit=-1, select_page=None, verbose=1, ascend=True, columns=[0, 1, 2, 3, 4, 5, 6, 7, 65, 66, 67], sleep_sec=1)

Get screener table.

Parameters

- **order** (*str*) – sort the table by the choice of order.
- **limit** (*int*) – set the top k rows of the screener.
- **select_page** (*int*) – set the page of the screener.
- **verbose** (*int*) – choice of visual the progress. 1 for visualize progress.
- **ascend** (*bool*) – if True, the order is ascending.
- **columns** (*list*) – columns of your choice. Default index: 0,1,2,3,4,5,6,7,65,66,67.
- **sleep_sec** (*int*) – sleep seconds for fetching each page.

Returns screener information table

Return type df(pandas.DataFrame)

6.2.7 Tickers

class finvizfinance.screener.ticker.**Ticker**

Financial inherit from overview module. Getting information from the finviz screener ticker page.

screener_view (order='ticker', limit=-1, verbose=1, ascend=True, sleep_sec=1)

Get screener stocks.

Parameters

- **order** (*str*) – sort the list by the choice of order.
- **limit** (*int*) – set the top k stocks of the screener.
- **verbose** (*int*) – choice of visual the progress. 1 for visualize progress.
- **ascend** (*bool*) – if True, the order is ascending.
- **sleep_sec** (*int*) – sleep seconds for fetching each page.

Returns get all the tickers as list.

Return type tickers(list)

6.3 Group

Getting group information.

6.3.1 Overview

class finvizfinance.group.overview.**Overview**

Getting information from the finviz group overview page.

get_group ()

Get groups.

Returns all the available groups.

Return type groups(list)

get_orders ()

Get orders.

Returns all the available orders.

Return type orders(list)

screener_view (group='Sector', order='Name')

Get screener table.

Parameters

- **group** (*str*) – choice of group option.
- **order** (*str*) – sort the table by the choice of order.

Returns group information table.

Return type df(pandas.DataFrame)

6.3.2 Valuation

class finvizfinance.group.valuation.**Valuation**

Valuation inherit from overview module. Getting information from the finviz group valuation page.

6.3.3 Performance

class finvizfinance.group.performance.**Performance**

Performance inherit from overview module. Getting information from the finviz group performance page.

6.3.4 Spectrum

class finvizfinance.group.spectrum.**Spectrum**

Spectrum inherit from overview module. Getting information from the finviz group spectrum page.

screener_view (group='Sector', order='Name', out_dir="")

Get screener table.

Parameters

- **group** (*str*) – choice of group option.
- **order** (*str*) – sort the table by the choice of order.

6.4 News

Getting trading news.

class finvizfinance.news.News

Getting information from the finviz news page.

get_news ()

Get insider information table.

Retrieves table information from finviz finance news.

Returns news table

Return type news(dict)

6.5 Insider

Getting trading insider.

class finvizfinance.insider.Insider (*option='latest'*)

Getting information from the finviz insider page.

Parameters *option* (*str*) – choose a option (latest, latest buys, latest sales, top week, top week buys, top week sales, top owner trade, top owner buys, top owner sales, insider_id)

get_insider ()

Get insider information table.

Returns insider information table

Return type df(pandas.DataFrame)

6.6 Forex

Getting foreign exchange information.

class finvizfinance.forex.Forex

Getting information from the finviz forex page.

chart (*forex*, *timeframe='D'*, *urlonly=False*)

Get forex chart.

Parameters

- **forex** (*str*) – foreign exchange name
- **timeframe** (*str*) – choice of timeframe(5M, H, D, W, M)
- **urlonly** (*bool*) – choice of downloading charts, default: downloading chart

Returns url for the chart

Return type charturl(str)

performance (*change='percent'*)

Get forex performance table.

Parameters *change* (*str*) – choose an option of change(percent, PIPS)

Returns forex performance table

Return type df(pandas.DataFrame)

6.7 Crypto

Getting crypto currency information.

class finvizfinance.crypto.Crypto

Getting information from the finviz crypto page.

chart (*crypto*, *timeframe*='D', *urlonly*=False)

Get crypto chart.

Parameters

- **crypto** (*str*) – crypto currency
- **timeframe** (*str*) – choice of timeframe(5M, H, D, W, M)
- **urlonly** (*bool*) – choice of downloading charts, default: downloading chart

Returns url for the chart

Return type charturl(str)

performance ()

Get crypto performance table.

Returns crypto performance table

Return type df(pandas.DataFrame)

6.8 Future

Getting future information.

class finvizfinance.future.Future

Getting information from the finviz future page.

performance (*timeframe*='D')

Get forex performance table.

Parameters **timeframe** (*str*) – choice of timeframe(D, W, M, Q, HY, Y)

Returns forex performance table

Return type df(pandas.DataFrame)

6.9 Earnings

Getting earning dates information.

class finvizfinance.earnings.Earnings (*period*='This Week')

Partition dataframe of ticker information of period of earning dates(This Week, Next Week, Previous Week, This Month) into dates

Parameters **period** (*str*) – choose an option of period(This Week, Next Week, Previous Week, This Month).

output_csv (*output_dir*='earning_days')
Output dataframes to csv files.

Parameters **output_dir** (*str*) – name of the output directory.

output_excel (*output_file*='earning_days.xlsx')
Output dataframes to single Excel file.

Parameters **output_file** (*str*) – name of the output excel file.

partition_days (*mode*='financial')
Partition dataframe to separate dataframes according to the dates.

Parameters **mode** (*str*) – choose an option of period(financial, overview, valuation, ownership, performance, technical).

6.10 Calendar

Getting economic calendar information.

class finvizfinance.calendar.**Calendar**
Getting information from the finviz calendar page.

calendar ()
Get economic calendar table.

Returns economic calendar table

Return type df(pandas.DataFrame)

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