
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

Screeener 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*,
ticker_fundament_table_index=6)

Getting information from the individual ticker.

Parameters

- **ticker** (*str*) – ticker string

- **verbose** (*int*) – choice of visual the progress. 1 for visualize progress.
- **ticker_fundament_table_index** (*int*) – table index of the stock fundamental. change only if change on finviz side.

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*)
Get ticker fundament.

Parameters **raw** (*boolean*) – if True, the data is raw.

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** (*screener_table_index=21*)

Getting information from the finviz screener overview page. :Parameters: **screener_table_index** (*int*) – table index of the stock screener. change only if change on finviz side.

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*)

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.

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** (*screener_table_index=21*)

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

Parameters **screener_table_index** (*int*) – table index of the stock screener. change only if change on finviz side.

6.2.3 Financial

class finvizfinance.screener.financial.**Financial** (*screener_table_index=21*)

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

Parameters **screener_table_index** (*int*) – table index of the stock screener. change only if change on finviz side.

6.2.4 Ownership

class finvizfinance.screener.ownership.**Ownership** (*screener_table_index=21*)

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

Parameters **screener_table_index** (*int*) – table index of the stock screener. change only if change on finviz side.

6.2.5 Technical

class finvizfinance.screener.technical.**Technical** (*screener_table_index=21*)

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

Parameters `screener_table_index` (*int*) – table index of the stock screener. change only if change on finviz side.

6.2.6 Custom

class `finvizfinance.screener.custom.Custom` (*screener_table_index=21*)

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

Parameters `screener_table_index` (*int*) – table index of the stock screener. change only if change on finviz side.

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]*)

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.

Returns screener information table

Return type df(pandas.DataFrame)

6.2.7 Tickers

class `finvizfinance.screener.ticker.Ticker` (*screener_table_index=21*)

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

Parameters `screener_table_index` (*int*) – table index of the stock screener. change only if change on finviz side.

screener_view (*limit=-1, verbose=1*)

Get screener table.

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

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**(*screener_table_index*=7)

Getting information from the finviz group overview page. :Parameters: **screener_table_index** (*int*) – table index of the stock screener. change only if change on finviz side.

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**(*screener_table_index*=7)

Valuation inherit from overview module. Getting information from the finviz group valuation page. :Parameters: **screener_table_index** (*int*) – table index of the stock screener. change only if change on finviz side.

6.3.3 Performance

class finvizfinance.group.performance.**Performance**(*screener_table_index*=7)

Performance inherit from overview module. Getting information from the finviz group performance page. :Parameters: **screener_table_index** (*int*) – table index of the stock screener. change only if change on finviz side.

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 (news_table_index=8)
    Getting information from the finviz news page. :Parameters: news_table_index (int) – table index of the news
    page. change only if change on finviz side.

    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', insider_table_index=6)
    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)

    • ticker_fundament_table_index (int) – table index of the insider. change only if change on
      finviz side.

    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 (screener_table_index=5)
    Getting information from the finviz forex page. :Parameters: screener_table_index (int) – table index of the
    stock screener. change only if change on finviz side.

    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** (*screener_table_index*=5)

Getting information from the finviz crypto page. :Parameters: **screener_table_index** (int) – table index of the stock screener. change only if change on finviz side.

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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