
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.TickerFundament()
stock_description = stock.TickerDescription()
outer_ratings_df = stock.TickerOuterRatings()
news_df = stock.TickerNews()
inside_trader_df = stock.TickerInsideTrader()
```


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.ScreenerView()
df.head()
```


CHAPTER 4

News Example

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


CHAPTER 5

Insider Example

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


6.1 Quote

Getting individual ticker information.

class `finvizfinance.quote.finvizfinance` (*ticker*)

Getting information from the individual ticker.

Args: `ticker(str)`: ticker string

TickerCharts (*timeframe='daily', charttype='advanced', out_dir=""*)

Download ticker charts.

Args: `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.

TickerDescription ()

Get ticker description.

Returns: `description(str)`: ticker description.

TickerFullInfo ()

Get all the ticker information.

Returns: `df(pandas.DataFrame)`: insider information table

TickerFundament ()

Get ticker fundament.

Returns: `fundament(dict)`: ticker fundament.

TickerInsideTrader ()

Get insider information table.

Returns: `df(pandas.DataFrame)`: insider information table

TickerNews ()

Get news information table.

Returns: df(pandas.DataFrame): news information table

TickerOuterRatings ()

Get outer ratings table.

Returns: df(pandas.DataFrame): outer ratings table

6.2 Screener

Getting screener information.

6.2.1 Overview

class finvizfinance.screener.overview.**Overview**

Getting information from the finviz screener overview page.

ScreenerView (*order='ticker', verbose=1*)

Get screener table.

Args: order(str): sort the table by the choice of order verbose(int): choice of visual the progress. 1 for visualize progress

Returns: df(pandas.DataFrame): screener information table

getFilterOptions (*screen_filter*)

Get filters options.

Args: screen_filter(str): screen filter for checking options

Returns: filter_options(list): all the available filters

getFilters ()

Get filters.

Returns: filters(list): all the available filters

getOrders ()

Get orders.

Returns: orders(list): all the available orders

getSignal ()

Get signals.

Returns: signals(list): all the available trading signals

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

Update the settings.

Args: 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 Tickers

class finvizfinance.screener.ticker.**Ticker**
Financial inherit from overview module. Getting information from the finviz screener ticker page.

ScreenerView (*verbose=1*)

Get screener table.

Args: verbose(int): choice of visual the progress. 1 for visualize progress.

Returns: tickers(list): get all the tickers as list.

6.3 Group

Getting group information.

6.3.1 Overview

class finvizfinance.group.overview.**Overview**
Getting information from the finviz group overview page.

ScreenerView (*group='Sector', order='Name'*)

Get screener table.

Args: group(str): choice of group option order(str): sort the table by the choice of order

Returns: df(pandas.DataFrame): group information table

getGroup ()

Get groups.

Returns: groups(list): all the available groups

getOrders ()

Get orders.

Returns: orders(list): all the available orders

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.

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

Get screener table.

Args: 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.

getNews ()

Get insider information table.

Retrieves table information from finviz finance news.

Returns: news(dict): news table

6.5 Insider

Getting trading insider.

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

Getting information from the finviz insider page.

Args: option (str): choose a option (latest, top week, top owner trade, insider_id)

getInsider ()

Get insider information table.

Returns: df(pandas.DataFrame): insider information table

6.6 Forex

Getting foreign exchange information.

class finvizfinance.forex.Forex

Getting information from the finviz forex page.

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

Get forex chart. Args:

forex (str): foreign exchange name timeframe (str): choice of timeframe(5M, H, D, W, M)

performance (*change*='percent')

Get forex performance table. Args:

change (str): choose a option of change(percent, PIPS)

Returns: df(pandas.DataFrame): forex performance table

6.7 Crypto

Getting crypto currency information.

class finvizfinance.crypto.Crypto

Getting information from the finviz crypto page.

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

Get crypto chart.

Args: crypto (str): crypto currency timeframe (str): choice of timeframe(5M, H, D, W, M)

performance ()

Get crypto performance table.

Returns: df(pandas.DataFrame): crypto performance table

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