Alphavantage

```
import requests
url = 'https://www.alphavantage.co/query?function=X&apikey=X&REQUIRED=X&OPTIONAL=X'
r = requests.get(url)
data = r.json()
print(data)
```

Required: function
Required: apikey

TIME_SERIES_INTRADAY
required: interval = 1min, 5min, 15min, 30min, 60min
required symbol:The name of the equity of your choice. For example: symbol=IBM
Optional: adjusted
By default, adjusted=true and the output time series is adjusted by historical split and dividend events. Set adjusted=false to query raw (as-traded) intraday values.
Optional: extended_hours
By default, extended_hours=true and the output time series will include both the regular trading hours and the extended trading hours (4:00am to 8:00pm Eastern Time for the US market). Set extended_hours=false to query regular trading hours (9:30am to 4:00pm US Eastern Time) only.
Optional: outputsize
By default, outputsize=compact. Strings compact and full are accepted with the following specifications: compact returns only the latest 100 data points in the intraday time series; full returns trailing 30 days of the most recent intraday data if the month parameter (see above) is not specified, or the full intraday data for a specific month in history if the month parameter is specified. The "compact" option is recommended if you would like to reduce the data size of each API call.
Optional: datatype
By default, datatype=json. Strings json and csv are accepted with the following specifications: json returns the intraday time series in JSON format; csv returns the time series as a CSV (comma separated value) file.

TIME_SERIES_DAILY / TIME_SERIES_DAILY_ADJUSTED
required symbol
optional outputsize
optional datatype

TIME_SERIES_WEEKLY / TIME_SERIES_WEEKLY_ADJUSTED
required symbol
optional outputsize
optional datatype

TIME_SERIES_MONTHLY / TIME_SERIES_MONTHLY_ADJUSTED
required symbol
optional datatype

GLOBAL_QUOTE
A lightweight alternative to the time series APIs, this service returns the latest price and volume information for a ticker of your choice.
required symbol
optional datatype

SYMBOL_SEARCH
required symbol
Required: keywords
A text string of your choice. For example: keywords=microsoft.
optional datatype

MARKET_STATUS
This endpoint returns the current market status (open vs. closed) of major trading venues for equities, forex, and cryptocurrencies around the world.

NEWS_SENTIMENT
Looking for market news data to train your LLM models or to augment your trading strategy? You have just found it. This API returns live and historical market news & sentiment data from a large & growing selection of premier news outlets around the world, covering stocks, cryptocurrencies, forex, and a wide range of topics such as fiscal policy, mergers & acquisitions, IPOs, etc. This API, combined with our core stock API, fundamental data, and technical indicator APIs, can provide you with a 360-degree view of the financial market and the broader economy.
Optional: tickers
The stock/crypto/forex symbols of your choice. For example: tickers=IBM will filter for articles that mention the IBM ticker; tickers=COIN,CRYPTO:BTC,FOREX:USD will filter for articles that simultaneously mention Coinbase (COIN), Bitcoin (CRYPTO:BTC), and US Dollar (FOREX:USD) in their content.
Optional: topics
The news topics of your choice. For example: topics=technology will filter for articles that write about the technology sector; topics=technology,ipo will filter for articles that simultaneously cover technology and IPO in their content. Below is the full list of supported topics:
Blockchain: blockchain
Earnings: earnings
IPO: ipo
Mergers & Acquisitions: mergers_and_acquisitions
Financial Markets: financial_markets
Economy - Fiscal Policy (e.g., tax reform, government spending): economy_fiscal
Economy - Monetary Policy (e.g., interest rates, inflation): economy_monetary
Economy - Macro/Overall: economy_macro
Energy & Transportation: energy_transportation
Finance: finance
Life Sciences: life_sciences
Manufacturing: manufacturing
Real Estate & Construction: real_estate
Retail & Wholesale: retail_wholesale
Technology: Technology
Optional: time_from and time_to
The time range of the news articles you are targeting, in YYYYMMDDTHHMM format. For example: time_from=20220410T0130. If time_from is specified but time_to is missing, the API will return articles published between the time_from value and the current time.
Optional: sort
By default, sort=LATEST and the API will return the latest articles first. You can also set sort=EARLIEST or sort=RELEVANCE based on your use case.
Optional: limit
By default, limit=50 and the API will return up to 50 matching results. You can also set limit=1000 to output up to 1000 results. If you are looking for an even higher output limit, please contact support@alphavantage.co to have your limit boosted.
TOP_GAINERS_LOSERS
This endpoint returns the top 20 gainers, losers, and the most active traded tickers in the US market.