

# Package ‘alphavantager’

September 3, 2017

**Title** Lightweight R Interface to the Alpha Vantage API

**Version** 0.1.0

**Description** Alpha Vantage has free historical financial information.  
All you need to do is get a free API key at <<https://www.alphavantage.co>>.  
Then you can use the R interface to retrieve free equity information.  
Refer to the Alpha Vantage website for more information.

**URL** <https://github.com/business-science/alphavantager>

**BugReports** <https://github.com/business-science/alphavantager/issues>

**License** GPL (>= 3)

**Encoding** UTF-8

**LazyData** true

**Depends** R (>= 3.4.0)

**Imports** devtools (>= 1.12.0), dplyr (>= 0.7.0), glue (>= 1.1.1), httr (>= 1.2.1), jsonlite (>= 1.5), purrr (>= 0.2.2.2), lubridate (>= 1.6.0), readr (>= 1.1.1), stringr (>= 1.2.0), tibble (>= 1.3.3), tidyr (>= 0.6.3)

**Suggests** tidyquant, tidyverse, timetk, testthat, knitr

**RoxygenNote** 6.0.1

**NeedsCompilation** no

**Author** Matt Dancho [aut, cre],  
Davis Vaughan [aut]

**Maintainer** Matt Dancho <[mdancho@business-science.io](mailto:mdancho@business-science.io)>

**Repository** CRAN

**Date/Publication** 2017-09-03 12:41:12 UTC

## R topics documented:

alphavantager . . . . .	2
av_api_key . . . . .	2
av_get . . . . .	3

<b>Index</b>	<b>4</b>
--------------	----------

---

alphavantager

*alphavantager: A lightweight R interface to the Alpha Vantage API*

---

### Description

alphavantager: A lightweight R interface to the Alpha Vantage API

### Details

The alphavantager package provides a lightweight interface to the Alpha Vantage API. Alpha Vantage is a free source for financial data that in many cases is more accurate than Yahoo Finance and Google Finance. Get a free API KEY at <https://www.alphavantage.co>. Then use the R interface functions `av_api_key("YOUR_KEY")` to set the API key and the `av_get()` function to get financial data.

---

av\_api\_key

*Set the Alpha Vantage API Key*

---

### Description

Set the Alpha Vantage API Key

### Usage

```
av_api_key(api_key)
```

### Arguments

`api_key` A character string with your Alpha Vantage API Key.

### Details

The Alpha Vantage API key must be set prior to using `av_get()`. You can obtain an API key at the [Alpha Vantage Website](#).

### Value

Invisibly returns API key once set. Use print method to view.

### See Also

[av\\_get\(\)](#)

### Examples

```
## Not run:
av_api_key("YOUR_API_KEY")
av_get(symbol = "MSFT", av_fun = "TIME_SERIES_INTRADAY", interval = "15min", outputsize = "full")

## End(Not run)
```

---

av\_get

*Get financial data from the Alpha Vantage API*

---

### Description

Get financial data from the Alpha Vantage API

### Usage

```
av_get(symbol = NULL, av_fun, ...)
```

### Arguments

symbol	A character string of an appropriate stock or fund. See parameter "symbol" in <a href="#">Alpha Vantage API documentation</a> .
av_fun	A character string matching an appropriate Alpha Vantage "function". See parameter "function" in <a href="#">Alpha Vantage API documentation</a> .
...	Additional parameters passed to the Alpha Vantage API. For a list of parameters, visit the <a href="#">Alpha Vantage API documentation</a> .

### Value

Returns a tibble of financial data

### See Also

[av\\_api\\_key\(\)](#)

### Examples

```
## Not run:
av_api_key("YOUR_API_KEY")
av_get(symbol = "MSFT", av_fun = "TIME_SERIES_INTRADAY", interval = "15min", outputsize = "full")

## End(Not run)
```

# Index

alphavantage, [2](#)  
alphavantage-package (alphavantage), [2](#)  
av\_api\_key, [2](#)  
av\_api\_key(), [3](#)  
av\_get, [3](#)  
av\_get(), [2](#)