

# Package ‘optipod’

June 3, 2023

**Title** What the Package Does (One Line, Title Case)

**Version** 0.0.0.9000

**Description** What the package does (one paragraph).

**License** `use\_mit\_license()`, `use\_gpl3\_license()` or friends to pick a license

**Encoding** UTF-8

**Roxygen** list(markdown = TRUE)

**RoxygenNote** 7.2.3

**URL** <https://github.com/bt-koch/optipod>

**BugReports** <https://github.com/bt-koch/optipod/issues>

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extractFrench	<i>extractFrench</i>
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## Description

extractFrench

## Usage

```
extractFrench(path_out = "./data")
```

## Arguments

path\_out            path in which CSV should be unpacked

**Value**

Fama/French 3 Factors daily data

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extractPolygonMeta	<i>extractPolygonMeta</i>
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**Description**

extractPolygonMeta

**Usage**

```
extractPolygonMeta(apikey, ticker)
```

**Arguments**

apikey	Personal API key for polygon.io
ticker	ticker for underlying

**Value**

metadata of underlying firm

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extractPolygonOptTickers	<i>extractPolygonOptTickers</i>
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**Description**

Function to get all option contract (tickers) for a specific underlying.

**Usage**

```
extractPolygonOptTickers(
  apikey,
  limit = 100,
  ticker,
  contract_type = "call",
  expired = "true",
  expiration_date.gte = NA
)
```

**Arguments**

apikey	Personal API key for polygon.io
limit	Limit the number of results returned (maximum is 1000)
ticker	Underlying stock ticker for related contracts
contract_type	Type of contract (call or put)
expired	Whether to query for expired or not expired contracts
expiration_date.gte	contract expiration date greater than or equal to (format YYYY-MM-DD)

**Value**

historical option contracts

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extractPolygonStock	<i>extractPolygonStock</i>
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**Description**

extractPolygonStock

**Usage**

```
extractPolygonStock(  
  apikey,  
  limit = 100,  
  ticker,  
  from,  
  to,  
  adjusted = "true",  
  sort = "asc"  
)
```

**Arguments**

apikey	Personal API key for polygon.io
limit	Limit the number of results returned (maximum is 50000)
ticker	Ticker symbol of the stock/equity
from	The start of the aggregate time window. Either a date with the format YYYY-MM-DD or a millisecond timestamp
to	The end of the aggregate time window. Either a date with the format YYYY-MM-DD or a millisecond timestamp
adjusted	Whether or not the results are adjusted for splits
sort	Sort the results by timestamp (asc or desc)

**Value**

historical stock data

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extractPolygonTickers    *extractPolygonTickers*

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**Description**

extractPolygonTickers

**Usage**

```
extractPolygonTickers(apikey, search = NA, limit = 100)
```

**Arguments**

apikey	Personal API key for polygon.io
search	Search for terms within the ticker and/or company name
limit	Limit the number of results returned (maximum is 1000)

**Value**

tickers of Stocks/Equities, Indices, Forex, and Crypto

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