

Package: YTAnalytics (via r-universe)

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Title Wrapper for 'YouTube Analytics' API

Version 0.2.0

Description Simplify working with the 'YouTube Analytics' API
<<https://developers.google.com/youtube/analytics>>. Collect data
for your channel including geography, traffic sources, time
period, etc.

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Imports dplyr, httr, jsonlite, progress

URL <https://github.com/davisj95/YTAnalytics>,
<https://davisj95.github.io/YTAnalytics/>

BugReports <https://github.com/davisj95/YTAnalytics/issues>

Repository <https://davisj95.r-universe.dev>

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analytics_request *Analytics Request Function - YouTube Analytics API*

Description

This is the function to make API calls to the YouTube Analytics API. Most other functions in this package are wrappers for this function with some arguments already populated. If none of the other prebuilt functions work for your use case, this is the function to turn to.

Usage

```
analytics_request(
  dimensions = NULL,
  metrics = "views,estimatedMinutesWatched",
  sort = NULL,
  maxResults = 10,
  filters = NULL,
  startDate = "2000-01-01",
  endDate = as.character(Sys.Date()),
  ids = "channel==MINE",
  currency = NULL,
  startIndex = NULL,
  includeHistoricalChannelData = NULL,
  token = getOption("YouTube_Token")
)
```

Arguments

| | |
|------------------------------|---|
| dimensions | String. See https://developers.google.com/youtube/analytics/dimensions for valid arguments. |
| metrics | String. See https://developers.google.com/youtube/analytics/metrics for valid arguments. |
| sort | String. Specify by which metric/dimensions to sort output if applicable. |
| maxResults | Integer. Specify the number of results to return. Maximum is 200. |
| filters | String. Specify dimension to filter on if applicable. Ex: video==dQw4w9WgXcQ |
| startDate | Required. String specifying start date. |
| endDate | Required. String specifying end date. |
| ids | Required. Specify the channel. By default the function will specify "channel==MINE" |
| currency | String. Specify currency if applicable |
| startIndex | Integer. Specify index of first entity to retrieve, if applicable. |
| includeHistoricalChannelData | String. Indicates whether the API response should include channels' watch time and view data from the time period prior to when the channels were linked to the content owner. Only applies to content owner reports. Either 'true' or 'false'. |
| token | Required. |

Value

data.frame

Examples

```
## Not run:
analytics_request(startDate = "2018-05-01",
                  endDate = "2017-01-01",
                  metrics = "views,comments,likes,dislikes,estimatedMinutesWatched")

## End(Not run)
```

| | |
|----------------|--------------------------|
| channel_cities | <i>Channel City Data</i> |
|----------------|--------------------------|

Description

Returns top cities by views. Data is only available after January 1, 2022.

Usage

```
channel_cities(...)
```

Arguments

... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:
channel_cities()

## End(Not run)
```

channel_countries *Channel Country Data*

Description

Returns top countries by views

Usage

```
channel_countries(...)
```

Arguments

```
...                    Addt. arguments passed to analytics_request
```

Value

data.frame

Examples

```
## Not run:  
channel_countries()  
  
## End(Not run)
```

channel_demographics *Channel Demographic Data*

Description

Returns age and gender demographics

Usage

```
channel_demographics(...)
```

Arguments

```
...                    Addt. arguments passed to analytics_request
```

Value

data.frame

Examples

```
## Not run:  
channel_demographics()  
  
## End(Not run)
```

channel_devices *Channel Device Data*

Description

Returns top devices by views

Usage

```
channel_devices(...)
```

Arguments

... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
channel_devices()  
  
## End(Not run)
```

channel_live_onDemand *Channel Live & OnDemand Data*

Description

Return channel data split by live & on demand.

Usage

```
channel_live_onDemand(...)
```

Arguments

... Addt. arguments passed to analytics_request

Value

data.frame()

Examples

```
## Not run:  
channel_live_onDemand()  
  
## End(Not run)
```

channel_playback_location
Channel Playback Location

Description

Returns the type of page or application where video playbacks occurred.

Usage

```
channel_playback_location(...)
```

Arguments

... Addt. arguments passed to analytics_request

Details

For more information, refer to https://developers.google.com/youtube/analytics/dimensions#Playback_Location_Dimensions

Value

data.frame

Examples

```
## Not run:  
channel_playlist_location()  
  
## End(Not run)
```

channel_playlists *Channel Playlists*

Description

Returns all playlists in channel.

Usage

```
channel_playlists(...)
```

Arguments

... Addt. arguments passed to data_playlist_request

Value

data.frame

Examples

```
## Not run:  
channel_playlists()  
  
## End(Not run)
```

channel_sharing_services
 Channel Sharing Services Data

Description

Returns top sharing services by views

Usage

```
channel_sharing_services(...)
```

Arguments

... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
channel_sharing_services()  
  
## End(Not run)
```

| | |
|---------------|---------------------------|
| channel_stats | <i>Channel Statistics</i> |
|---------------|---------------------------|

Description

#' @description Returns high level video stats.

Usage

```
channel_stats(...)
```

Arguments

... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
channel_stats()  
  
## End(Not run)
```

| | |
|-----------------------------|------------------------------------|
| channel_subscription_status | <i>Channel Subscription Status</i> |
|-----------------------------|------------------------------------|

Description

#' @description Returns the subscription status of channel views.

Usage

```
channel_subscription_status(...)
```

Arguments

... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
channel_subscription_status()  
  
## End(Not run)
```

channel_time_period *Channel Time Period Views*

Description

Returns channel views by day or month.

Usage

```
channel_time_period(  
  period = "day",  
  endDate = as.character(format(Sys.Date(), "%Y-%m-01")),  
  ...  
)
```

Arguments

| | |
|---------|---|
| period | Required. Time period to breakdown data by. Supported values are day and month |
| endDate | Required. String. Data returned up until the last day specified, so for monthly period the end date must end with a day of 01 |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
channel_time_period()  
  
## End(Not run)
```

channel_top_videos *Channel Top Videos*

Description

Returns top videos by views

Usage

```
channel_top_videos(...)
```

Arguments

... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
channel_top_videos()  
  
## End(Not run)
```

channel_traffic_details
 Channel Traffic Sources Data

Description

Returns top traffic sources by views. Check out https://developers.google.com/youtube/analytics/dimensions#Traffic_Source_Dimensions for more information.

Usage

```
channel_traffic_details(trafficType = "EXT_URL", ...)
```

Arguments

trafficType Required. String. Type of traffic source.
... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
channel_traffic_sources()  
  
## End(Not run)
```

channel_traffic_sources
Channel Traffic Sources Data

Description

Returns top traffic sources by views

Usage

```
channel_traffic_sources(...)
```

Arguments

... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
channel_traffic_sources()  
  
## End(Not run)
```

channel_videos *Channel Videos List*

Description

Returns all videos in channel. Note: As of July 2023, the YouTube Data API fails to return ALL videos on a channel by getting all videos from the "uploads" playlist for large YouTube channels. As a result this function's work-around is to pull all additional playlists from the channel, pull all video lists from all playlists, and append the result to the uploads return.

Usage

```
channel_videos(token = getOption("YouTube_Token"))
```

Arguments

| | |
|-------|---------------|
| token | YouTube token |
|-------|---------------|

Value

data.frame

Examples

```
## Not run:  
channel_videos()  
  
## End(Not run)
```

data_channel_request *Channel Data Requests - YouTube Data API*

Description

This is a function to make API calls to the YouTube Data API for channel specific data. While it can be called directly, it is primarily intended to help get lists of videos within a channel. For more in-depth use of the Data API, please refer to `tuber`. For more details on the following arguments, please refer to <https://developers.google.com/youtube/v3/docs/channels/list>

Usage

```
data_channel_request(  
  part = NULL,  
  categoryId = NULL,  
  forUsername = NULL,  
  hl = NULL,  
  id = NULL,  
  managedByMe = NULL,  
  maxResults = 5,  
  mine = NULL,  
  onBehalfOfContentOwner = NULL,  
  pageToken = NULL,  
  token = getOption("YouTube_Token")  
)
```

Arguments

| | |
|-------------|-------------------|
| part | Required. String. |
| categoryId | String. |
| forUsername | String. |
| hl | String. |

| | |
|------------------------|-----------|
| id | String. |
| managedByMe | String. |
| maxResults | Integer. |
| mine | String. |
| onBehalfOfContentOwner | String. |
| pageToken | String. |
| token | Required. |

Value

data.frame

Examples

```
## Not run:
data_channel_request(part = "contentDetails",
                    mine = "true")

## End(Not run)
```

data_playlistItem_request

Playlist Item Data Requests - YouTube Data API

Description

This is a function to make API calls to the YouTube Data API for playlist item data. While it can be called directly, it is primarily intended to help get lists of videos within a playlist. For more in-depth use of the Data API, please refer to `tuber`. For more details on the following arguments, please refer to <https://developers.google.com/youtube/v3/docs/playlistItems/list>

Usage

```
data_playlistItem_request(
  part = NULL,
  id = NULL,
  maxResults = 5,
  onBehalfOfContentOwner = NULL,
  pageToken = NULL,
  playlistId = NULL,
  videoId = NULL,
  token = getOption("YouTube_Token")
)
```

Arguments

| | |
|------------------------|-------------------|
| part | Required. String. |
| id | String. |
| maxResults | Integer. |
| onBehalfOfContentOwner | String. |
| pageToken | String. |
| playlistId | String. |
| videoId | String. |
| token | Required. |

Value

data.frame

Examples

```
## Not run:
data_playlistItem_request(part = "contentDetails",
                          id = "PLA2387dsgkhfs9832hjkhuihsASDF",
                          mine = "true")

## End(Not run)
```

data_playlist_request *Playlist Data Requests - YouTube Data API*

Description

This is a function to make API calls to the YouTube Data API for playlist specific data. While it can be called directly, it is primarily intended to help get lists of videos within a playlist. For more in-depth use of the Data API, please refer to [tuber](https://developers.google.com/youtube/v3/docs/playlists/list). For more details on the following arguments, please refer to <https://developers.google.com/youtube/v3/docs/playlists/list>

Usage

```
data_playlist_request(
  part = NULL,
  channelId = NULL,
  hl = NULL,
  id = NULL,
  maxResults = 5,
  mine = NULL,
  onBehalfOfContentOwner = NULL,
  onBehalfOfContentOwnerChannel = NULL,
  pageToken = NULL,
  token = getOption("YouTube_Token")
)
```

Arguments

| | |
|-------------------------------|-------------------|
| part | Required. String. |
| channelId | String. |
| hl | String. |
| id | String. |
| maxResults | Integer. |
| mine | String |
| onBehalfOfContentOwner | String. |
| onBehalfOfContentOwnerChannel | String. |
| pageToken | String. |
| token | Required. |

Value

data.frame

Examples

```
## Not run:
data_playlist_request(part = "contentDetails",
                     id = "PLA2387dsgkhfs9832hjkhuihsASDF",
                     mine = "true")

## End(Not run)
```

data_video_request *Video Data Requests - YouTube Data API*

Description

This is a function to make API calls to the YouTube Data API for video data. While it can be called directly, it is primarily intended to help get metadata about videos such as title or description. For more in-depth use of the Data API, please refer to `tuber`. For more details on the following arguments, please refer to <https://developers.google.com/youtube/v3/docs/videos/list>

Usage

```
data_video_request(
  part = NULL,
  chart = NULL,
  hl = NULL,
  id = NULL,
  locale = NULL,
```



```
    maxHeight = NULL,  
    maxResults = NULL,  
    maxWidth = NULL,  
    myRating = NULL,  
    onBehalfOfContentOwner = NULL,  
    pageToken = NULL,  
    regionCode = NULL,  
    videoCategoryId = NULL,  
    token = getOption("YouTube_Token")  
  )
```

Arguments

| | |
|------------------------|------------------|
| part | Required. String |
| chart | String. |
| hl | String. |
| id | String. |
| locale | String. |
| maxHeight | Integer. |
| maxResults | Integer. |
| maxWidth | Integer. |
| myRating | String. |
| onBehalfOfContentOwner | String. |
| pageToken | String. |
| regionCode | String. |
| videoCategoryId | String. |
| token | Required. |

Value

```
data.frame()
```

Examples

```
## Not run:  
data_video_request(part = "contentDetails",  
                   id = "dQw4w9WgXcQ")  
  
## End(Not run)
```

playlist_countries *Playlist Country Data*

Description

Returns top countries by views

Usage

```
playlist_countries(playlistId = NULL, ...)
```

Arguments

| | |
|------------|---|
| playlistId | Required. String. Id of YouTube playlist. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
playlist_countries(playlistId = "PL2MI040U_GXq1L5JUxNOu1WCyXn-7QyZK")  
  
## End(Not run)
```

playlist_demographics *Playlist Demographic Data*

Description

Returns age and gender demographics

Usage

```
playlist_demographics(playlistId = NULL, ...)
```

Arguments

| | |
|------------|---|
| playlistId | Required. String. Id of YouTube playlist. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
playlist_demographics(playlistId = "PL2MI040U_GXq1L5JUxNOu1WCyXn-7QyZK")  
  
## End(Not run)
```

playlist_devices *Playlist Device Data*

Description

Returns top devices by views

Usage

```
playlist_devices(playlistId = NULL, ...)
```

Arguments

| | |
|------------|---|
| playlistId | Required. String. Id of YouTube playlist. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
playlist_devices(playlistId = "PL2MI040U_GXq1L5JUxNOu1WCyXn-7QyZK")  
  
## End(Not run)
```

playlist_live_onDemand *Playlist Live & OnDemand Data*

Description

Return playlist data split by live & on demand.

Usage

```
playlist_live_onDemand(playlistId = NULL, ...)
```

Arguments

playlistId Required. String. Id of YouTube playlist.
 ... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:
playlist_live_onDemand(playlistId = "PL2MI040U_GXq1L5JUxNOu1WCyXn-7QyZK")

## End(Not run)
```

| | |
|-------------------|--------------------------|
| playlist_metadata | <i>Playlist Metadata</i> |
|-------------------|--------------------------|

Description

Playlist Metadata

Usage

```
playlist_metadata(playlistId = NULL, ...)
```

Arguments

playlistId Required. String. Id of YouTube Video.
 ... Addt. arguments passed to data_video_request

Value

data.frame

Examples

```
## Not run:
playlist_metadata(playlistId = "dQw4w9WgXcQ")

## End(Not run)
```

playlist_playback_location
Playlist Playback Location

Description

Returns the type of page or application where video playbacks occurred.

Usage

```
playlist_playback_location(playlistId = NULL, ...)
```

Arguments

| | |
|------------|---|
| playlistId | Required. String. Id of YouTube playlist. |
| ... | Addt. arguments passed to analytics_request |

Details

For more information, refer to https://developers.google.com/youtube/analytics/dimensions#Playback_Location_Dimensions

Value

data.frame

Examples

```
## Not run:  
playlist_playback_location(playlistId = "PL2MI040U_GXq1L5JUxNOu1WCyXn-7QyZK")  
  
## End(Not run)
```

playlist_stats *Playlist Statistics*

Description

#' @description Returns high level video stats.

Usage

```
playlist_stats(playlistId = NULL, ...)
```

Arguments

playlistId Required. Strings. Id of YouTube Playlist
... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
playlist_stats(playlistId = "PL2MI040U_GXq1L5JUxNOu1WCyXn-7QyZK")  
  
## End(Not run)
```

playlist_subscription_status
Playlist Subscription Status

Description

#' @description Returns the subscription status of playlist views.

Usage

```
playlist_subscription_status(playlistId = NULL, ...)
```

Arguments

playlistId Required. String. Id of YouTube Playlist
... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
playlist_subscription_status(playlistId = "PL2MI040U_GXq1L5JUxNOu1WCyXn-7QyZK")  
  
## End(Not run)
```

playlist_top_videos *Playlist Top Videos*

Description

Returns top videos by views.

Usage

```
playlist_top_videos(playlistId = NULL, ...)
```

Arguments

| | |
|------------|---|
| playlistId | Required. String. Id of YouTube playlist. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
playlist_top_videos(playlistId = "PL2MI040U_GXq1L5JUxNOu1WCyXn-7QyZK")  
  
## End(Not run)
```

playlist_traffic_details
Playlist Traffic Sources Data

Description

Returns top traffic sources by views. Check out https://developers.google.com/youtube/analytics/dimensions#Traffic_Source_Dimensions for more information.

Usage

```
playlist_traffic_details(playlistId = NULL, trafficType = "EXT_URL", ...)
```

Arguments

| | |
|-------------|---|
| playlistId | Required. String. Id of YouTube playlist. |
| trafficType | Required. String. Type of traffic source. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
playlist_traffic_sources(playlistId = "PL2MI040U_GXq1L5JUxNOuIWcyXn-7QyZK")  
  
## End(Not run)
```

playlist_traffic_sources
Playlist Traffic Sources Data

Description

Returns top traffic sources by views

Usage

```
playlist_traffic_sources(playlistId = NULL, ...)
```

Arguments

| | |
|------------|---|
| playlistId | Required. String. Id of YouTube playlist. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
playlist_traffic_sources(playlistId = "PL2MI040U_GXq1L5JUxNOuIWcyXn-7QyZK")  
  
## End(Not run)
```

| | |
|-----------------|-----------------------------|
| playlist_videos | <i>Playlist Videos List</i> |
|-----------------|-----------------------------|

Description

Returns all videos in playlist

Usage

```
playlist_videos(playlistId = NULL, ...)
```

Arguments

| | |
|------------|---|
| playlistId | Required. String. Id of YouTube playlist. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
playlist_videos(playlistId = "PL2MI040U_GXq1L5JUxNOu1WCyXn-7QyZK")  
  
## End(Not run)
```

| | |
|--------------------------|---------------------------------|
| video_audience_retention | <i>Video Audience Retention</i> |
|--------------------------|---------------------------------|

Description

Returns audience retention percentages for a video. By default this function will return audience retention rates for organic views.

Usage

```
video_audience_retention(videoId = NULL, audienceType = "ORGANIC", ...)
```

Arguments

| | |
|--------------|---|
| videoId | Required. String. Id of YouTube video. |
| audienceType | Required. String. Supported values are ORGANIC, AD_INSTREAM, and AD_INDISPLAY |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
video_audience_retention(videoId = "dQw4w9WgXcQ")  
  
## End(Not run)
```

video_cities

Video City Data

Description

Returns top cities by views. Data is only available after January 1, 2022.

Usage

```
video_cities(videoId = NULL, ...)
```

Arguments

| | |
|---------|---|
| videoId | Required. String. Id of YouTube video. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
video_cities(videoId = "dQw4w9WgXcQ")  
  
## End(Not run)
```

| | |
|-----------------|---------------------------|
| video_countries | <i>Video Country Data</i> |
|-----------------|---------------------------|

Description

Returns top countries by views

Usage

```
video_countries(videoId = NULL, ...)
```

Arguments

| | |
|---------|---|
| videoId | Required. String. Id of YouTube video. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
video_countries(videoId = "dQw4w9WgXcQ")  
  
## End(Not run)
```

| | |
|--------------------|-------------------------------|
| video_demographics | <i>Video Demographic Data</i> |
|--------------------|-------------------------------|

Description

Returns age and gender demographics

Usage

```
video_demographics(videoId = NULL, ...)
```

Arguments

| | |
|---------|---|
| videoId | Required. String. Id of YouTube video. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:
video_demographics(videoId = "dQw4w9WgXcQ")

## End(Not run)
```

| | |
|---------------|--------------------------|
| video_devices | <i>Video Device Data</i> |
|---------------|--------------------------|

Description

Returns top devices by views

Usage

```
video_devices(videoId = NULL, ...)
```

Arguments

| | |
|---------|---|
| videoId | Required. String. Id of YouTube video. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:
video_devices(videoId = "dQw4w9WgXcQ")

## End(Not run)
```

| | |
|---------------------|---------------------------------------|
| video_live_onDemand | <i>Video Live & OnDemand Data</i> |
|---------------------|---------------------------------------|

Description

Return video data split by live & on demand.

Usage

```
video_live_onDemand(videoId = NULL, ...)
```

Arguments

videoId Required.String. Id of YouTube video.
 ... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:
video_live_onDemand(videoId = "dQw4w9WgXcQ")

## End(Not run)
```

| | |
|----------------|-----------------------|
| video_metadata | <i>Video Metadata</i> |
|----------------|-----------------------|

Description

Video Metadata

Usage

```
video_metadata(videoId = NULL, ...)
```

Arguments

videoId Required. String. Id of YouTube Video.
 ... Addt. arguments passed to data_video_request

Value

data.frame

Examples

```
## Not run:
video_metadata(videoId = "dQw4w9WgXcQ")

## End(Not run)
```

`video_playback_location`*Video Playback Location*

Description

Returns the type of page or application where video playbacks occurred.

Usage

```
video_playback_location(videoId = NULL, ...)
```

Arguments

| | |
|----------------------|--|
| <code>videoId</code> | Required. String. Id of YouTube video. |
| <code>...</code> | Addt. arguments passed to <code>analytics_request</code> |

Details

For more information, refer to https://developers.google.com/youtube/analytics/dimensions#Playback_Location_Dimensions

Value

`data.frame`

Examples

```
## Not run:  
video_playback_location(videoId = "dQw4w9WgXcQ")  
  
## End(Not run)
```

`video_sharing_services`*Video Sharing Services Data*

Description

Returns top sharing services by views

Usage

```
video_sharing_services(videoId = NULL, ...)
```

Arguments

videoId Required. String. Id of YouTube video.
... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
video_sharing_services(videoId = "dQw4w9WgXcQ")  
  
## End(Not run)
```

| | |
|-------------|-------------------------|
| video_stats | <i>Video Statistics</i> |
|-------------|-------------------------|

Description

Returns high level video stats.

Usage

```
video_stats(videoId = NULL, ...)
```

Arguments

videoId Required. String. Id of YouTube video.
... Addt. arguments passed to analytics_request

Value

data.frame

Examples

```
## Not run:  
video_stats(videoId = "dQw4w9WgXcQ")  
  
## End(Not run)
```

video_subscription_status *Video Subscription Status*

Description

Returns the subscription status of video views.

Usage

```
video_subscription_status(videoId = NULL, ...)
```

Arguments

| | |
|---------|---|
| videoId | Required. String. Id of YouTube video. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
video_subscription_status(videoId = "dQw4w9WgXcQ")  
  
## End(Not run)
```

video_time_period *Video Time Period Views*

Description

Returns video views by day or month.

Usage

```
video_time_period(  
  videoId = NULL,  
  period = "day",  
  endDate = as.character(format(Sys.Date(), "%Y-%m-01")),  
  ...  
)
```


Arguments

| | |
|---------|---|
| videoId | Required. String. Id of YouTube video. |
| period | Required. Time period to breakdown data by. Supported values are day and month |
| endDate | Required. String. Data returned up until the last day specified, so for monthly period the end date must end with a day of 01 |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:
video_time_period(videoId = "dQw4w9WgXcQ", period = "month")

## End(Not run)
```

video_traffic_details *Video Traffic Details Data*

Description

Returns traffic details by views. Check out https://developers.google.com/youtube/analytics/dimensions#Traffic_Source_Dimensions for more information.

Usage

```
video_traffic_details(videoId = NULL, trafficType = "EXT_URL", ...)
```

Arguments

| | |
|-------------|---|
| videoId | Required. String. Id of YouTube video. |
| trafficType | Required. String. Type of traffic source. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:
video_traffic_sources(videoId = "dQw4w9WgXcQ")

## End(Not run)
```

video_traffic_sources *Video Traffic Sources Data*

Description

Returns top traffic sources by views

Usage

```
video_traffic_sources(videoId = NULL, ...)
```

Arguments

| | |
|---------|---|
| videoId | Required. String. Id of YouTube video. |
| ... | Addt. arguments passed to analytics_request |

Value

data.frame

Examples

```
## Not run:  
video_traffic_sources(videoId = "dQw4w9WgXcQ")  
  
## End(Not run)
```

youtube_oauth *YouTube API OAuth*

Description

This creates or grabs a token to authorize API requests

Usage

```
youtube_oauth(  
  clientId = NULL,  
  clientSecret = NULL,  
  tokenFile = ".httr-oauth",  
  useOOB = FALSE,  
  setEnvVar = FALSE,  
  scopes = c("https://www.googleapis.com/auth/youtube.readonly",  
            "https://www.googleapis.com/auth/yt-analytics.readonly"),  
  reAuthOnFail = FALSE  
)
```

Arguments

| | |
|--------------|---|
| clientId | Required. Client Id obtained from console.cloud.google.com. |
| clientSecret | Required. Client Secret obtained from console.cloud.google.com |
| tokenFile | The name of the token htr-oauth file to read the token from. If the file does not exist then one will be created with the provided name. |
| useOoB | If TRUE, use oob method to copy/paste token into R. |
| setEnvVar | If TRUE, create an environment variable called "YouTube_Token" to store token. |
| scopes | Scopes that must be passed when authenticating. See https://developers.google.com/youtube/analytics/reference for more information. |
| reAuthOnFail | If TRUE, will automatically begin authentication process if provided token is expired. |

Value

token environment

Examples

```
## Not run:
youtube_oauth("123456789asdalksdjfhaskdjfb.apps.googleusercontent.com",
              "MasdfH5320208ladshf790",
              token = ".htr-oauth-myToken")

## End(Not run)
```

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