Package 'tuber'

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Title Client for the YouTube API

Version 0.3.0

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Description Get comments posted on YouTube videos, information on how many times a video has been liked, search for videos with particular content, and much more. You can also scrape captions from a few videos. To learn more about the YouTube API, see <https://developers.google.com/youtube/v3/>.

URL <http://github.com/soodoku/tuber>

BugReports <http://github.com/soodoku/tuber/issues>

Depends R (>= 3.2.0)

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LazyData true

Imports httr

VignetteBuilder knitr

Suggests knitr (>= 1.11), testthat, rmarkdown

RoxygenNote 5.0.1

NeedsCompilation no

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Repository CRAN

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R topics documented:

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get_captions   *Get Captions of a Video*

Description

Get Captions of a Video

Usage

```
get_captions(part = "snippet", video_id = NULL, lang = "en", id = NULL,
   ...)
```

Arguments

part	Caption resource requested. Required. Comma separated list of one or more of the following: id, snippet. e.g., "id, snippet", "id" Default: snippet.
video_id	ID of the video whose captions are requested. Required. No default.
lang	Language of the caption; required; default is english ("en")
id	comma-separated list of IDs that identify the caption resources that should be retrieved; optional; string
...	Additional arguments passed to tuber_GET.

Value

captions for the video from one of the first track

References

https://developers.google.com/youtube/v3/docs/captions/list

Examples

```
## Not run:
get_captions(video_id="yJXTXN4xrI8")

## End(Not run)
```

---

get_channel_stats   *Get statistics of a Channel*

Description

Get statistics of a Channel

Usage

```
get_channel_stats(channel_id = NULL, ...)
```

Arguments

channel_id   Character. Id of the channel

...   Additional arguments passed to tuber_GET.

Value

list with 5 elements: viewCount, likeCount, dislikeCount, favoriteCount, commentCount

References

https://developers.google.com/youtube/v3/docs/channels/list

Examples

```
## Not run:
get_channel_stats(channel_id="UChTJTbr5kf3hYazJZO-euHg")

## End(Not run)
```

---

get_comments   *Get Comments On a Video*

Description

Get Comments On a Video

Usage

```
get_comments(part = "snippet", video_id = NULL, text_format = "html",
  simplify = TRUE, max_results = 100, page_token = NULL, ...)
```

Arguments

part	Comment resource requested. Required. Comma separated list of one or more of the following: id, snippet. e.g., "id, snippet", "id" Default: snippet.
video_id	ID of the video. Required. Data Type: Character.
text_format	Data Type: Character. Default is "html". Only takes "html" or "plainText." Optional.
simplify	Data Type: Boolean. Default is TRUE. If TRUE, the function returns a data frame. Else a list with all the information returned.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 20 and 100. Default is 100.
page_token	Specific page in the result set that should be returned. Optional.
...	Additional arguments passed to tuber_GET.

Value

Nested named list. The entry items is a list of comments along with meta information. Within each of the items is an item snippet which has an item topLevelComment$snippet$textDisplay that contains the actual comment.

References

https://developers.google.com/youtube/v3/docs/comments/list

Examples

```
## Not run:
get_comments(video_id="N708P-A45D0")

## End(Not run)
```

get_playlists   *Get Playlists*

Description

Get Playlists

Usage

```
get_playlists(channel_id = NULL, part = "contentDetails",
  max_results = 50, hl = NULL, page_token = NULL, ...)
```

Arguments

channel_id	Character. ID of the channel
part	Required. One of the following: contentDetails, id, localizations, player, snippet, status. Default: contentDetails.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs.
page_token	specific page in the result set that should be returned, optional
...	Additional arguments passed to tuber_GET.

Value

captions for the video from one of the first track

References

https://developers.google.com/youtube/v3/docs/playlists/list

Examples

```
## Not run:
get_playlists(channel_id="UChTJTbr5kf3hYazJZO-euHg")

## End(Not run)
```

get_playlist_items   *Get Playlist Items*

Description

Get Playlist Items

Usage

```
get_playlist_items(playlist_id = NULL, part = "contentDetails",
  max_results = 50, video_id = NULL, page_token = NULL, ...)
```

Arguments

playlist_id	ID of the playlist
part	Required. Comma separated string including one or more of the following: contentDetails, id, snippet, status. Default: contentDetails.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
video_id	Optional. request should return only the playlist items that contain the specified video.
page_token	specific page in the result set that should be returned, optional
...	Additional arguments passed to tuber_GET.

Value

captions for the video from one of the first track

References

https://developers.google.com/youtube/v3/docs/playlists/list

Examples

```
## Not run:
get_playlist_items(playlist_id="PLrEnWoR732-CN09YykVof2lxdI3MLOZda")

## End(Not run)
```

get_related_videos *Get Related Videos*

Description

Takes a video id and returns related videos

Usage

```
get_related_videos(video_id = NULL, max_results = 50,
  safe_search = "none", ...)
```

Arguments

video_id	Character. Required. No default.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
safe_search	Character. Optional. Takes one of three values: 'moderate', 'none' (default) or 'strict'
...	Additional arguments passed to `tuber_GET`.

Value

data.frame with 7 columns: publishedAt, channelId, title, description, thumbnails, channelTitle, liveBroadcastContent

References

<https://developers.google.com/youtube/v3/docs/search/list>

Examples

```
## Not run:
get_related_videos(video_id="yJXTXN4xrI8")

## End(Not run)
```

---

get_stats   *Get statistics of a Video*

Description

Get statistics of a Video

Usage

```
get_stats(video_id = NULL, ...)
```

Arguments

video_id	Character. Id of the video. Required.
...	Additional arguments passed to [tuber_GET]().

Value

list with 5 elements: viewCount, likeCount, dislikeCount, favoriteCount, commentCount

References

<https://developers.google.com/youtube/v3/docs/videos/list#parameters>

Examples

```
## Not run:
get_stats(video_id="N708P-A45D0")

## End(Not run)
```

---

get_subscriptions   *Get Subscriptions*

Description

Get Subscriptions

Usage

```
get_subscriptions(channel_id = NULL, part = "contentDetails",
  max_results = 50, for_channel_id = NULL, order = NULL,
  page_token = NULL, ...)
```

Arguments

`channel_id`	ID of the channel. Character. Required.
`part`	Part of the resource requested. Required. Character. A comma separated list of one or more of the following: contentDetails, id, snippet, subscriberSnippet. e.g. "id, snippet", "id", etc. Default: contentDetails.
`max_results`	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
`for_channel_id`	Optional. String. A comma-separated list of channel IDs. Limits response to subscriptions matching those channels.
`order`	method that will be used to sort resources in the API response. Takes one of the following: alphabetical, relevance, unread
`page_token`	Specific page in the result set that should be returned. Optional. String.
`...`	Additional arguments passed to `tuber_GET`.

Value

captions for the video from one of the first track

References

<https://developers.google.com/youtube/v3/docs/playlists/list>

Examples

```
## Not run:
get_subscriptions(channel_id="UChTJTbr5kf3hYazJZO-euHg")

## End(Not run)
```

---

get_video_details	*Get Details of a Video or Videos*

Description

Get details such as when the video was published, the title, description, thumbnails, category etc.

Usage

```
get_video_details(video_id = NULL, ...)
```

Arguments

`video_id`	Comma separated list of IDs of the videos for which details are requested. Required.
`...`	Additional arguments passed to `tuber_GET`.

Value

list with the following elements - publishedAt, channelId, title, description, thumbnails, channelTitle, categoryId, liveBroadcastContent, localized, defaultAudioLanguage

References

<https://developers.google.com/youtube/v3/>

Examples

```
## Not run:
get_video_details(video_id="yJXTXN4xrI8")

## End(Not run)
```

---

list_abuse_report_reasons

List reasons that can be used to report abusive videos

Description

List reasons that can be used to report abusive videos

Usage

```
list_abuse_report_reasons(part = "id, snippet", hl = "en-US", ...)
```

Arguments

part	Caption resource requested. Required. Comma separated list of one or more of the following: id, snippet. e.g., "id, snippet", "id" Default: snippet.
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs.
...	Additional arguments passed to tuber_GET.

Value

If no results, empty data.frame returned If part requested = "id, snippet", data.frame with 4 columns: etag, id, label, secReasons If part requested = "snippet", data.frame with 3 columns: etag, label, secReasons If part requested = "id", data.frame with 2 columns: etag, id

References

<https://developers.google.com/youtube/v3/docs/videoAbuseReportReasons/list>

Examples

```
## Not run:
list_abuse_report_reasons()
list_abuse_report_reasons(part="id")
list_abuse_report_reasons(part="snippet")

## End(Not run)
```

```
list_channel_activities
```
List Channel Activity

Description

Returns a list of channel events that match the request criteria.

Usage

```
list_channel_activities(channel_id = NULL, part = "snippet",
  max_results = 50, page_token = NULL, published_after = NULL,
  published_before = NULL, region_code = NULL, ...)
```

Arguments

channel_id	ID of the channel. Required. No default.
part	specify which part do you want. It can only be one of the three: contentDetails, id, snippet. Default is snippet.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
page_token	specific page in the result set that should be returned, optional
published_after	Character. Optional. RFC 339 Format. For instance, "1970-01-01T00:00:00Z"
published_before	Character. Optional. RFC 339 Format. For instance, "1970-01-01T00:00:00Z"
region_code	ISO 3166-1 alpha-2 country code, optional, see also list_regions
...	Additional arguments passed to tuber_GET.

Value

named list

References

<https://developers.google.com/youtube/v3/docs/activities/list>

Examples

```
## Not run:
list_channel_activities(channel_id="UCRw8bIz2wMLmfgAgWm903cA")
list_channel_activities(channel_id="UCRw8bIz2wMLmfgAgWm903cA", regionCode="US")

## End(Not run)
```

---

list_channel_resources

Returns List of Requested Channel Resources

Description

Returns List of Requested Channel Resources

Usage

```
list_channel_resources(channel_name = NULL, part = "contentDetails",
  max_results = 50, page_token = NULL, hl = NULL, ...)
```

Arguments

channel_name	string, channel name, required
part	a comma separated list of channel resource properties that response will include string. Required. One of the following: auditDetails, brandingSettings, contentDetails, conte Default is contentDetails.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
page_token	specific page in the result set that should be returned, optional
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see list_langs.
...	Additional arguments passed to tuber_GET.

Value

list

References

<https://developers.google.com/youtube/v3/docs/channels/list>

Examples

```
## Not run:
list_channel_videos("latenight")
list_channel_videos("latenight", part="id, contentDetails")
list_channel_videos("latenight", part="id, contentDetails", max_results=10)

## End(Not run)
```

---

list_channel_sections   *List Channel Sections*

Description

Returns list of channel sections that channel id belongs to.

Usage

```
list_channel_sections(channel_id = NULL, part = "snippet", hl = NULL, ...)
```

Arguments

channel_id	id of the channel; required; no default
part	specify which part do you want. It can only be one of the following: contentDetails, id, localizatio Default is snippet.
hl	language that will be used for text values, optional, default is en-US. See also [list_langs](#)
...	Additional arguments passed to [tuber_GET](#).

Value

captions for the video from one of the first track

References

<https://developers.google.com/youtube/v3/docs/activities/list>

Examples

```
## Not run:
list_channel_sections(channel_id="UCRw8bIz2wMLmfgAgWm903cA")

## End(Not run)
```

---

list_guidecats   *Get List of categories that can be associated with YouTube channels*

Description

Get List of categories that can be associated with YouTube channels

Usage

```
list_guidecats(regionCode = NULL, hl = NULL, ...)
```

Arguments

regionCode	Character. Required. Has to be a ISO 3166-1 alpha-2 code (see `https://www.iso.org/obp/ui/#search`)
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see `list_langs`.
...	Additional arguments passed to `tuber_GET`.

Value

data.frame with 4 columns: channelId, title, etag, id

References

`https://developers.google.com/youtube/v3/docs/search/list`

Examples

```
## Not run:
list_guidecats("JP")

## End(Not run)
```

---

list_langs   *List Languages That Youtube Currently Supports*

Description

List Languages That Youtube Currently Supports

Usage

```
list_langs(hl = NULL, ...)
```

Arguments

hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see [list_langs]().
...	Additional arguments passed to [tuber_GET]().

Value

data.frame with 3 columns: hl (two letter abbreviation), name (of the language), etag

References

<https://developers.google.com/youtube/v3/docs/i18nLanguages/list>

Examples

```
## Not run:
list_langs()

## End(Not run)
```

---

list_regions	*List Content Regions That Youtube Currently Supports*

Description

List Content Regions That Youtube Currently Supports

Usage

```
list_regions(hl = NULL, ...)
```

Arguments

hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see [list_langs]().
...	Additional arguments passed to [tuber_GET]().

Value

data.frame with 3 columns: gl (two letter abbreviation), name (of the region), etag

References

<https://developers.google.com/youtube/v3/docs/i18nRegions/list>

Examples

```
## Not run:
list_regions()

## End(Not run)
```

---

list_videocats   *List of Categories That Can be Associated with Videos*

Description

List of Categories That Can be Associated with Videos

Usage

```
list_videocats(regionCode = NULL, ...)
```

Arguments

regionCode   Character. Required. Has to be a ISO 3166-1 alpha-2 code (see https://www.
                iso.org/obp/ui/#search).

...   Additional arguments passed to tuber_GET.

Value

data.frame with 5 columns: channelId, title, assignable, etag, id

References

https://developers.google.com/youtube/v3/docs/search/list

Examples

```
## Not run:
list_videocats("JP")

## End(Not run)
```

---

list_videos   *List Videos*

Description

List Videos

Usage

```
list_videos(chart = "mostPopular", part = "contentDetails",
  max_results = 50, page_token = NULL, hl = NULL, region_code = NULL,
  video_category_id = NULL, ...)
```

Arguments

chart	mostPopular
part	Required. Comma separated string including one or more of the following: `contentDetails,fileDetails, id, liveStreamingDetails, localizations, player, processi` Default: `contentDetails`.
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50.
page_token	specific page in the result set that should be returned, optional
hl	Language used for text values. Optional. Default is en-US. For other allowed language codes, see `list_langs`.
region_code	Character. Required. Has to be a ISO 3166-1 alpha-2 code (see https://www.iso.org/obp/ui/#search).
video_category_id	
	the video category for which the chart should be retrieved. See also `list_videocats`.
...	Additional arguments passed to `tuber_GET`.

Value

data.frame with 5 columns: channelId, title, assignable, etag, id

References

https://developers.google.com/youtube/v3/docs/search/list

Examples

```
## Not run:
list_videos()

## End(Not run)
```

---

tuber   **tuber** *provides access to the YouTube API V3.*

Description

tuber provides access to the YouTube API V3.

---

tuber_GET   *Base POST AND GET functions. Not exported.*

Description

GET

Usage

```
tuber_GET(path, query, ...)
```

Arguments

path	path to specific API request URL
query	query list
...	Additional arguments passed to GET.

Value

list

---

tuber_POST   *POST*

Description

POST

Usage

```
tuber_POST(path, query, body = "", ...)
```

Arguments

path	path to specific API request URL
query	query list
body	passing image through body
...	Additional arguments passed to GET.

Value

list

---

yt_check_token	*Check if authentication token is in options*

Description

Check if authentication token is in options

Usage

```
yt_check_token()
```

---

yt_oauth	*Set up Authorization*

Description

The function looks for .httr-oauth in the working directory. If it doesn't find it, it expects an application ID and a secret. If you want to remove the existing .httr-oauth, set remove_old_oauth to TRUE. By default, it is set to FALSE. The function launches a browser to allow you to authorize the application

Usage

```
yt_oauth(app_id = NULL, app_secret = NULL, scope = "ssl",
  token = ".httr-oauth", ...)
```

Arguments

app_id	client id; required; no default
app_secret	client secret; required; no default
scope	"ssl" or "basic"; required; default is ssl. The scopes are largely exchangeable but ssl yields extra authorizations that come in handy.
token	path to file containing the token. If a path is given, the function will first try to read from it. Default is .httr-oauth in the local directory. So if there is such a file, the function will first try to read from it.
...	Additional arguments passed to oauth2.0_token

Value

sets the google_token option and also saves .httr_auth in the working directory (find out the working directory via getwd())

References

<https://developers.google.com/youtube/v3/docs/>

<https://developers.google.com/youtube/v3/guides/auth/client-side-web-apps> for different scopes

Examples

```
## Not run:
yt_oauth("998136489867-5t3tq1g7hbovoj46dreqd6k5kd35ctjn.apps.googleusercontent.com",
         "MbOSt6cQhhFkwETXKur-L9rN")

## End(Not run)
```

---

yt_search   *Search YouTube*

Description

Search for videos, channels and playlists. (By default, the function searches for videos.)

Usage

```
yt_search(term = NULL, max_results = 50, channel_id = NULL,
  channel_type = NULL, type = "video", event_type = NULL,
  location = NULL, location_radius = NULL, published_after = NULL,
  published_before = NULL, video_definition = "any",
  video_caption = "any", video_license = "any", video_syndicated = "any",
  video_type = "any", ...)
```

Arguments

term	Character. Search term; required; no default
max_results	Maximum number of items that should be returned. Integer. Optional. Can be between 0 and 50. Default is 50. Search results are constrained to a maximum of 500 videos if type is video and we have a value of ChannelId.
channel_id	Character. Only return search results from this channel; Optional.
channel_type	Character. Optional. Takes one of two values: 'any' or 'show'. Default is 'any'
type	Character. Optional. Takes one of three values: 'video', 'channel', or 'playlist'
event_type	Character. Optional. Takes one of three values: 'completed', 'live' or 'upcoming'

location   Character. Optional. Latitude and Longitude within parentheses, e.g. "(37.42307,-122.08427)"

location_radius
                     Character. Optional. e.g. "1500m", "5km", "10000ft", "0.75mi"

published_after
                     Character. Optional. RFC 339 Format. For instance, "1970-01-01T00:00:00Z"

published_before
                     Character. Optional. RFC 339 Format. For instance, "1970-01-01T00:00:00Z"

video_definition
                     Character. Optional. Takes one of three values: 'any' (return all videos; Default), 'high' and 'standard'

video_caption   Character. Optional. Takes one of three values: 'any' (return all videos; Default), 'closedCaption', 'none'. Type must be set to video.

video_license   Character. Optional. Takes one of three values: 'any' (return all videos; Default), 'creativeCommon' (return videos with Creative Commons license), 'youtube' (return videos with standard YouTube license).

video_syndicated
                     Character. Optional. Takes one of two values: 'any' (return all videos; Default), 'true' (return only syndicated videos)

video_type   Character. Optional. Takes one of three values: 'any' (return all videos; Default), 'episode' (return episode of shows), 'movie' (return movies)

...   Additional arguments passed to [tuber_GET].

Value

data.frame with 13 elements - kind, etag, id.kind, id.videoId, snippet.publishedAt, snippet.channelId, snippet.title, snippet.description, snippet.thumbnails.default.url, snippet.thumbnails.medium.url, snippet.thumbnails.high.url, snippet.channelTitle, snippet.liveBroadcastContent

References

<https://developers.google.com/youtube/v3/docs/search/list>

Examples

```
## Not run:
yt_search(term="Barack Obama")

## End(Not run)
```

---

yt_topic_search   *Search YouTube by Topic It uses the Freebase list of topics*

Description

Search YouTube by Topic It uses the Freebase list of topics

Usage

```
yt_topic_search(topic = NULL, ...)
```

Arguments

topic	topic being searched for; required; no default
...	Additional arguments passed to [tuber_GET]().

Value

a list

Examples

```
 ## Not run:
yt_topic_search(topic="Barack Obama")

## End(Not run)
```

Index