

Package: omdbr (via r-universe)

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Title Retrieve Movies Metadata from OMDb Database

Version 0.0.0.9000

Description This package retrieves movies metadata (title, actors, year, genres, etc.) using the OMDb API <<http://www.omdbapi.com/>> (an API key is required). Cover can also be downloaded from the YTS API <<https://yts.mx/api>> (no API key required).

URL <https://github.com/inSileco/omdbr>

BugReports <https://github.com/inSileco/omdbr/issues>

License GPL-3

Encoding UTF-8

LazyData true

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Imports cli, httr, jsonlite, stringdist, usethis, utils, yaml

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

RemoteUrl <https://github.com/inSileco/omdbr>

RemoteRef HEAD

RemoteSha a8aa8b697eaece712439305724b44f9e70224f29

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count_movies	<i>Count Movies by Field (by Actor, by Genre, by Year, etc.)</i>
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Description

This function counts movies by category: genre, year, actors, director, writer, language or country.

Usage

```
count_movies(count_by = NULL, path = ".")
```

Arguments

count_by	The field to count movies by.
path	The folder containing YAML files (or the root project).

Value

A 2-columns data frame.

Examples

```
## Not run:  
count_movies()  
count_movies(count_by = "genre")  
count_movies(count_by = "actors")  
  
## End(Not run)
```

find_imdb_id	<i>Retrieve the IMDb Identifier of a Movie</i>
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Description

This function tries to retrieve the IMDb identifier of a movie based on a its title and using the OMDb API <http://www.omdbapi.com/>. User can also specify the release year of the movie. See details below for further informations.

Usage

```
find_imdb_id(search, year = NULL, n_max = 10, sleep = 0.1, verbose = TRUE)
```

Arguments

search	A movie title to search for.
year	(optional) The release year of the movie.
n_max	Number of matches to returned (default is 10).
sleep	Time interval between two API requests.
verbose	A boolean. If TRUE, prints some informations.

Details

For better results, you should write the complete movie title with its exact spelling. Results are sorted by their similarity with the search terms.

If you don't find the movie you are looking for, you can visit the IMDb website (<https://www.imdb.com>) and get this ID from the movie URL. It is always in the form: tt9999999 (only numbers are specific to the movie; the prefix 'tt' is a constant).

For instance, in this URL: <https://www.imdb.com/title/tt5699154/>, the IMDb ID is 'tt5699154'.

For non-English movies, the English name might be different from the original title. For example, the English title of the french movie "Le Sens de la fête" (2017) is "C'est la vie!" (IMDb ID = tt5699154).

Only movies are currently implemented.

Value

A data frame with:

- title: the movie title
- year: the year of release
- imdbid: the IMDb ID of the movie

Examples

```
## Not run:  
find_imdb_id(search = "solo a star wars story")  
  
find_imdb_id("Star Wars", year = 2018, n_max = 20)  
  
## End(Not run)
```

get_cover	<i>Retrieve Cover/Poster of a Movie</i>
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Description

This function retrieves movie cover using the YTS API <https://yts.mx/api>. No API key is required but not all movies listed in the IMDb/OMDb databases are available on YTS <https://yts.mx>.

Usage

```
get_cover(imdb_id, path = "./covers")
```

Arguments

imdb_id	The IMDb ID of the movie.
path	The folder to save cover.

Examples

```
## Not run:
get_cover(imdb_id = "tt0120863", path = ".")

## End(Not run)
```

get_details	<i>Retrieve Metadata of a Movie</i>
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Description

This function retrieves movie metadata (title, actors, year, genres, etc.) using the OMDb API <http://www.omdbapi.com/>. Results are exported in a YAML file and returned as a data frame. See details below for further informations.

Usage

```
get_details(imdb_id, path = "./details", print = TRUE)
```

Arguments

imdb_id	The IMDb ID of the movie.
path	The folder to store results.
print	A boolean. If TRUE (default), movie informations are printed.

Details

An (free) API key is required to use the OMDb API. You can register on <http://www.omdbapi.com/>. When using this package for the first time, you'll be asked for setting your own API key (just follow instructions).

The request is performed using the IMDb identifier of the movie. To find this ID you can use the function `find_imdb_id()`.

If you can't retrieve the IMDb ID, visit the IMDb website (<https://www.imdb.com>) and get this ID from the movie URL. It is always in the form: tt9999999 (only numbers are specific to the movie; the prefix 'tt' is a constant).

For instance, in this URL: <https://www.imdb.com/title/tt5699154/>, the IMDb ID is 'tt5699154'.

For non-English movies, the English name might be different from the original title. For instance, the English title of the french movie "Le Sens de la fête" (2017) is "C'est la vie!" (IMDb ID = tt5699154).

Only movies are currently implemented.

Value

A data frame with:

- `imdbid`: the IMDb ID of the movie
- `type`: the category (e.g. movie)
- `title`: the movie title
- `year`: the year of release
- `runtime`: the movie runtime (in minutes)
- `director`: a vector of directors
- `writer`: a vector of writers
- `actors`: a vector of main actors
- `genre`: a vector of genres
- `plot`: a short plot of the movie
- `language`: a vector of spoken languages
- `country`: a vector of the countries
- `imdbrating`: the IMDb rating (in date of the request)
- `slug`: a unique identifier (titre + year)

Examples

```
## Not run:  
x <- get_details("tt0120863", path = ".", print = TRUE)  
  
## End(Not run)
```

read_details	<i>Read Metadata of Movie(s)</i>
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Description

This function reads YAML files with movie(s) metadata stored by the function `get_details()`

Usage

```
read_details(path = ".", imdb_id = NULL, print = TRUE)
```

Arguments

path	The folder containing YAML files (or the root project).
imdb_id	(optional) The IMDb ID(s) of the movie(s).
print	A boolean. If TRUE (default), movie informations are printed (if one single IMDb ID is required).

Value

A data frame with:

- imdbid: the IMDb ID of the movie
- type: the category (e.g. movie)
- title: the movie title
- year: the year of release
- runtime: the movie runtime (in minutes)
- director: a vector of directors
- writer: a vector of writers
- actors: a vector of main actors
- genre: a vector of genres
- plot: a short plot of the movie
- language: a vector of spoken languages
- country: a vector of the countries
- imdbrating: the IMDb rating (in date of the request)
- slug: a unique identifier (titre + year)

Examples

```
## Not run:
x <- read_details()
x <- read_details(imdb_id = "tt2278388", print = TRUE)
x <- read_details(imdb_id = c("tt2278388", "tt0362270"))

## End(Not run)
```

search_movies	<i>Search for Movies</i>
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Description

This function searches for movies for which details have been stored. User can search in title, year, etc.

Usage

```
search_movies(  
  title,  
  year,  
  genre,  
  director,  
  writer,  
  actors,  
  country,  
  language,  
  path = ".")
```

Arguments

title	Terms to search for in title field.
year	Year(s) to search for in year field.
genre	Terms to search for in genres field.
director	Name(s) to search for in director field.
writer	Name(s) to search for in writer field.
actors	Name(s) to search for in actors field.
country	Country names to search for in country field.
language	Language name(s) to search for in language field.
path	The folder containing YAML files (or the root project).

Value

A data frame.

Examples

```
## Not run:  
search_movies(title = "Hotel")  
search_movies(year = 2014:2016)  
search_movies(actors = "Bill Murray")  
  
## End(Not run)
```

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