

Package ‘appler’

October 21, 2021

Type Package

Title 'Apple App Store' and 'iTunes' Data Extraction

Version 0.1.2

Description Using 'Apple App Store' <<https://www.apple.com/app-store/>> web scraping and 'iTunes' API <<https://affiliate.itunes.apple.com/resources/documentation/itunes-store-web-service-search-api/>> to extract content information, app ratings and reviews.

URL <https://github.com/ashbaldry/appler>,
<https://affiliate.itunes.apple.com/resources/documentation/itunes-store-web-service-search-api/>

BugReports <https://github.com/ashbaldry/appler/issues>

Imports htr, jsonlite, rvest, glue, xml2

Suggests testthat (>= 3.0.0), curl

License GPL-2

Encoding UTF-8

RoxygenNote 7.1.2

NeedsCompilation no

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Repository CRAN

Date/Publication 2021-10-21 18:20:02 UTC

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get_apple_chart_postion

Check App Chart

Description

get_apple_chart_postion searches for whether an App is within the top 100 for any category (generally found on the App page).

Usage

```
get_apple_chart_postion(id, country)
```

Arguments

id	The ID of the App on the Apple App Store
country	The two-letter country code for the store you want to search. For a list of country codes see https://en.wikipedia.org/wiki/ISO_3166-1_alpha-2

Value

A list of two, containing the position and the category of the App if available. Otherwise both will be NA

Examples

```
# Look up ratings split for Apollo in the UK  
get_apple_chart_postion(979274575, "gb")
```

get_apple_rating_split

Apple App Store Ratings

Description

Scrapes the App store page and retrieves the split of the ratings between 1 and 5 stars

Usage

```
get_apple_rating_split(id, country = "us")
```

Arguments

id	The ID of the App on the Apple App Store
country	The two-letter country code for the store you want to search. For a list of country codes see https://en.wikipedia.org/wiki/ISO_3166-1_alpha-2

Details

For overall rating and count, use [lookup_apple](#)

Value

A 5 row data.frame with the split of 1-5 stars given rounded to the nearest percent

Examples

```
# Look up ratings split for Apollo in the UK
get_apple_rating_split(979274575, "gb")
```

get_apple_reviews	<i>Apple App Store Reviews</i>
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Description

Using Apple's RSS feed, will extract the reviews from a specific country for the desired application.

Usage

```
get_apple_reviews(id, country = "us", all_results = FALSE, page_no = 1)
```

Arguments

id	The ID of the App on the Apple App Store
country	The two-letter country code for the store you want to search. For a list of country codes see https://en.wikipedia.org/wiki/ISO_3166-1_alpha-2
all_results	Logical, would you like all possible reviews to be pulled?
page_no	If page_no = FALSE then the page of reviews to pull. Defaults to most recent.

Details

There is a maximum of 500 reviews that can be pulled.

Value

A data.frame of the extracted reviews.
If there were no reviews then it will return NULL.

Examples

```
# Look up reviews for Apollo in the UK
get_apple_reviews(979274575, "gb")
```

 lookup_apple

Apple Store Lookup

Description

You can create a lookup request to search for content in the stores based on iTunes IDs, UPCs/EANs, and All Music Guide (AMG) IDs. ID-based lookups are faster and contain fewer false-positive results.

Usage

```
lookup_apple(
  id,
  country = NULL,
  entity = NULL,
  limit = NULL,
  sort = NULL,
  id_type = "id"
)
```

Arguments

id	The ID of the iTunes entity
country	The two-letter country code for the store you want to search. For a list of country codes see https://en.wikipedia.org/wiki/ISO_3166-1_alpha-2
entity	Optional The type of results you want returned, relative to the specified media type.
limit	Optional The number of search results you want the iTunes Store to return between 1 and 200. The default is 50.
sort	Optional The order the results are returned, for most recent first select recent.
id_type	The ID type to lookup, options are: id The default iTunes ID amgArtistId AMG Artist ID amgAlbumId AMG Album ID upc UPC Album or Video ID isbn ISB Book ID

Value

A data.frame of any results that match the iTunes database.
 If there were no successful results then it will return NULL.

See Also

<https://affiliate.itunes.apple.com/resources/documentation/itunes-store-web-service-search-api/>

Examples

```
# Look up Jack Johnson by iTunes artist ID
lookup_apple(909253)

# Look up Jack Johnson by AMG artist ID
lookup_apple(468749, id_type = "amgArtistId")
```

search_apple

*Apple Store Search***Description**

Using Apple's iTunes API, will find any content available from Apple based on a given search term.

Usage

```
search_apple(
  term,
  country = NULL,
  media = NULL,
  entity = NULL,
  attribute = NULL,
  limit = NULL,
  lang = c("en_us", "ja_jp"),
  explicit = c("Yes", "No")
)
```

Arguments

term	The URL-encoded text string you want to search for. For example: jack+johnson. If using a vector it will search for all terms in one search.
country	The two-letter country code for the store you want to search. For a list of country codes see https://en.wikipedia.org/wiki/ISO_3166-1_alpha-2
media	Optional The media type you want to search for. For example: movie. The default is all.
entity	Optional The type of results you want returned, relative to the specified media type.
attribute	Optional The attribute you want to search for in the stores, relative to the specified media type. For example, if you want to search for an artist by name specify entity=allArtist&attribute=allArtistTerm. In this example, if you search for term=maroon, iTunes returns "Maroon 5" in the search results, instead of all artists who have ever recorded a song with the word "maroon" in the title.
limit	Optional The number of search results you want the iTunes Store to return between 1 and 200. The default is 50.

lang	Optional The language, English or Japanese, you want to use when returning search results.
explicit	Optional A flag indicating whether or not you want to include explicit content in your search results.

Value

A data.frame of any results that match the iTunes database.
If there were no successful results then it will return NULL.

See Also

<https://affiliate.itunes.apple.com/resources/documentation/itunes-store-web-service-search-api/>

Examples

```
# Search for all Jack Johnson audio and video content
search_apple(term = "jack johnson")

# To search for all Jack Johnson audio and video content and return only the first 25 items
search_apple(term = "jack johnson", limit = 25)
```

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