Package ‘gkgraphR’

August 4, 2020

Title  Accessing the Official 'Google Knowledge Graph' API
Version  1.0.1
Date  2020-07-21
Description  A simple way to interact with and extract data from
the official 'Google Knowledge Graph' API <https://developers.google.com/knowledge-graph/>.
Language  en-US
URL  https://github.com/racorreia/gkgraphR
BugReports  https://github.com/racorreia/gkgraphR/issues
Depends  R (>= 3.4.0)
License  MIT + file LICENSE
Encoding  UTF-8
RoxygenNote  7.1.1
Imports  jsonlite(>= 1.5), httr(>= 1.4.1), ISOcodes(>= 2020.03.16)
Suggests  knitr, rmarkdown, qpdf
VignetteBuilder  knitr
NeedsCompilation  no
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Repository  CRAN
Date/Publication  2020-08-04 10:10:02 UTC

\texttt{R} topics documented:

\begin{itemize}
  \item \texttt{querygkg} \hspace{2cm} 2
\end{itemize}

Index  4
querygkg

Performs a query on the Google Knowledge Graph API

Description

Performs a query on the Google Knowledge Graph API

Usage

querygkg(
  query = NULL,
  ids = NULL,
  lang = NULL,
  types = NULL,
  indent = NULL,
  prefix = NULL,
  limit = NULL,
  json = FALSE,
  itemList = TRUE,
  api.key
)

Arguments

query

A character string to search for in Google Knowledge Graph.

ids

A list of one or more entity IDs to search for in Google Knowledge Graph. Should be a Google Knowledge Graph or Freebase ID code in character string format.

lang

A character argument defining the language filter. The list of language codes (defined in ISO 639) to run the query with, for instance ‘en’. Defaults to NULL.

types

A character argument restricting returned entities to those of the specified types. See schema.org for valid types (e.g. ‘Person’ as defined in http://schema.org/Person restricts the results to entities representing people). If multiple types are specified, returned entities will contain one or more of these types. Defaults to NULL.

indent

A logical argument enabling indenting of JSON results. Defaults to NULL.

prefix

A logical argument enabling prefix (initial substring) matching against names and aliases of entities. For example, a prefix ‘Jung’ will match entities and aliases such as ‘Jung’, ‘Jungle’, and ‘Jung-ho Kang’. Defaults to NULL.

limit

A numeric value limiting the number of entities to be returned. Maximum is 500. Defaults to 20. Please note that requests with high limits have a higher chance of timing out.

json

A logical argument defining whether the API query should be returned in the original JSON format or as an R object. Defaults to FALSE.
querygkg

itemList Should the query contain only the Google Knowledge Graph item list returned by the query? Defaults to TRUE. Only valid when returning R objects (i.e. parameter json = FALSE).

api.key A Google API key.

Value

Returns the Google Knowledge Graph output.

Examples

```r
## Not run:
# Note: Function querygkg requires a valid Google API key to work

# Run a text-based query for the term "apple"
querygkg(query = "apple", api.key = "YOUR_API_KEY")

# Run an ID-based query for the entity "apple" representing the fruit
querygkg(ids = "/m/014j1m", api.key = "YOUR_API_KEY")

# Run an ID-based query and get the original JSON object returned by the API
querygkg(ids = "/m/014j1m", json = TRUE, api.key = "YOUR_API_KEY")

## End(Not run)
```
Index

querygkg, 2