

# 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

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`querygkg`*Performs a query on the Google Knowledge Graph API*

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**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**

<code>query</code>	A character string to search for in Google Knowledge Graph.
<code>ids</code>	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.
<code>lang</code>	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.
<code>types</code>	A character argument restricting returned entities to those of the specified types. See <a href="http://schema.org">schema.org</a> for valid types (e.g. 'Person' as defined in <a href="http://schema.org/Person">http://schema.org/Person</a> 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.
<code>indent</code>	A logical argument enabling indenting of JSON results. Defaults to NULL.
<code>prefix</code>	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.
<code>limit</code>	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.
<code>json</code>	A logical argument defining whether the API query should be returned in the original JSON format or as an R object. Defaults to FALSE.

<code>itemList</code>	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 <code>json = FALSE</code> ).
<code>api.key</code>	A Google API key.

**Value**

Returns the Google Knowledge Graph output.

**Examples**

```
## 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)
```

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