Package 'hollr'

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Type Package		
Title Chat Completion and Text Annotation with Local and OpenAI Models		
Version 1.0.0		
Maintainer Jason Timm <pre>JaTimm@salud.unm.edu></pre>		
Description Enables chat completion and text annotation with local and 'OpenAI' https://openai.com/ language models, supporting batch processing, multiple annotators, and consistent output formats.		
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Encoding UTF-8		
Depends R (>= 3.5)		
Imports data.table, httr, jsonlite, pbapply, reticulate		
RoxygenNote 7.3.1		
<pre>URL https://github.com/jaytimm/hollr</pre>		
<pre>BugReports https://github.com/jaytimm/hollr/issues</pre>		
NeedsCompilation no		
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LLM Completions

Description

This function generates text using the OpenAI API or a local model.

Usage

```
hollr(
  user_message = "",
  annotators = 1,
  model,
  temperature = 1,
  top_p = 1,
  max_tokens = NULL,
  max_length = 1024,
  max_new_tokens = NULL,
  system_message = "",
  force_json = TRUE,
  flatten_json = TRUE,
  max_attempts = 10,
  openai_api_key = Sys.getenv("OPENAI_API_KEY"),
  openai_organization = NULL,
  cores = 1,
  batch_size = 1,
  extract_json = TRUE,
  verbose = TRUE
)
```

Arguments

id	A unique identifier for the request.
user_message	The message provided by the user.
annotators	The number of annotators (default is 1).
model	The name of the model to use.
temperature	The temperature for the model's output (default is 1).
top_p	The top-p sampling value (default is 1).
max_tokens	The maximum number of tokens to generate (default is NULL).
max_length	The maximum length of the input prompt (default is 1024, for local models only).
max_new_tokens	The maximum number of new tokens to generate (default is NULL, for local models only).

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system_message The message provided by the system (default is "). force_json A logical indicating whether the output should be JSON (default is TRUE). A logical indicating whether the output should be converted to DF (default is flatten_json TRUE). The maximum number of attempts to make for generating valid output (default max_attempts openai_api_key The API key for the OpenAI API (default is retrieved from environment variables). openai_organization The organization ID for the OpenAI API (default is NULL). cores The number of cores to use for parallel processing (default is 1). The number of batch_size to process (default is 1, only for local models). batch_size extract_json A logical indicating whether to extract and clean JSON strings from the response (default is TRUE). verbose A logical indicating whether to show progress and other messages (default is TRUE).

Value

A data.table containing the generated text and metadata.

Examples

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