

Package: cat.llm (via r-universe)

June 4, 2026

Title LLM-Powered Text Classification for Social Science

Version 3.1.1

Description Meta-package that installs and loads the full CatLLM ecosystem for LLM-powered text classification across domains. Installing `cat.llm` brings in `cat.stack` (general-purpose engine), `cat.survey` (survey responses), `cat.vader` (social media), `cat.ademic` (academic papers), `cat.cog` (cognitive assessment), `cat.pol` (policy documents), and `cat.web` (web content). Like the tidyverse, you can install the full ecosystem or individual domain packages.

License GPL (>= 3)

URL <https://christophersoria.com/cat-llm/cat.llm/>,
<https://github.com/chrissoria/cat-llm>

BugReports <https://github.com/chrissoria/cat-llm/issues>

Depends R (>= 3.5.0)

Imports `cat.stack` (>= 0.1.0), `cat.survey` (>= 0.1.0), `cat.vader` (>= 0.1.0), `cat.ademic` (>= 0.1.0), `cat.cog` (>= 0.1.0), `cat.pol` (>= 0.1.0), `cat.web` (>= 0.1.0), `reticulate` (>= 1.28)

Suggests `testthat` (>= 3.0.0), `knitr`, `rmarkdown`

VignetteBuilder `knitr`

Encoding UTF-8

Roxygen `list(markdown = TRUE)`

RoxygenNote 7.3.2

SystemRequirements Python (>= 3.9), pip

Config/testthat/edition 3

Config/pak/sysreqs `libpng-dev python3`

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

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RemoteUrl <https://github.com/chrissoria/cat-llm>

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RemoteSubdir r-package/cat.llm

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catllm-aliases	<i>Domain-suffixed aliases for the CatLLM ecosystem</i>
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Description

These functions provide convenient domain-suffixed names so users can tab-complete to find the right function. Each is a thin re-export from the corresponding domain package.

Usage

classify_survey(...)

extract_survey(...)

explore_survey(...)

classify_social(...)

extract_social(...)

explore_social(...)

classify_academic(...)

extract_academic(...)

explore_academic(...)

summarize_academic(...)

cerad_drawn_score(...)

classify_political(...)

extract_political(...)

```
explore_political(...)
summarize_political(...)
classify_web(...)
extract_web(...)
explore_web(...)
summarize_web(...)
```

Arguments

... Additional arguments passed to the Python function.

Examples

```
## Not run:
library(cat.llm)

# Survey classification (re-export of cat.survey::classify)
classify_survey(
  input_data      = df$responses,
  categories      = c("Cost", "Quality", "Service", "Other"),
  survey_question = "Why did you choose us?",
  api_key         = Sys.getenv("OPENAI_API_KEY")
)

# Political documents (re-export of cat.pol::classify)
classify_political(
  source      = "city_san_diego",
  doc_type    = "ordinance",
  n           = 50L,
  categories  = c("Housing", "Public Safety", "Finance"),
  api_key     = Sys.getenv("OPENAI_API_KEY")
)

# Web content (re-export of cat.web::classify)
classify_web(
  input_data      = c("https://example.com/article-1",
                     "https://example.com/article-2"),
  categories      = c("News", "Opinion", "Tutorial"),
  source_domain   = "example.com",
  api_key         = Sys.getenv("OPENAI_API_KEY")
)

# CERAD cognitive scoring (re-export of cat.cog::cerad_drawn_score)
cerad_drawn_score(
  shape          = "circle",
  image_input    = "./drawings/",
  api_key        = Sys.getenv("OPENAI_API_KEY")
)
```

```
)  
## End(Not run)
```

catllm_attach	<i>Attach all CatLLM ecosystem packages</i>
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Description

Explicitly loads all domain packages. Normally this happens automatically when `library(cat.llm)` is called, but this function can be used to reload after detaching.

Usage

```
catllm_attach()
```

Value

Invisibly returns a character vector of attached package names.

Examples

```
## Not run:  
# Normally this happens automatically on `library(cat.llm)`.  
# Call manually to re-attach after detaching:  
catllm_attach()  
  
## End(Not run)
```

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