

# Package: rperseus (via r-universe)

November 27, 2024

**Title** Get Texts from the Perseus Digital Library

**Version** 0.1.2

**Description** The Perseus Digital Library is a collection of classical texts. This package helps you get them. The available works can also be viewed here: [<http://cts.perseids.org/>](http://cts.perseids.org/).

**Depends** R (>= 3.3.0)

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Imports** stringr, httr, xml2, dplyr, purrr, rlang, rvest, ggplot2, stringi, tibble

**RoxygenNote** 6.0.1

**Suggests** knitr, rmarkdown, testthat, covr, roxygen2, tidytext

**VignetteBuilder** knitr

**URL** <https://docs.ropensci.org/rperseus>,  
<https://github.com/ropensci/rperseus>

**BugReports** <https://github.com/ropensci/rperseus/issues>

**Config/pak/sysreqs** libicu-dev libxml2-dev libssl-dev

**Repository** <https://ropensci.r-universe.dev>

**RemoteUrl** <https://github.com/ropensci/rperseus>

**RemoteRef** master

**RemoteSha** 934698cd9dbf2f6923a78d5e581bfa4feba99bbf

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get_perseus_text	<i>Get a primary text by URN.</i>
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### Description

Get a primary text by URN.

### Usage

```
get_perseus_text(urn, excerpt = NULL)
```

### Arguments

urn	Valid uniform resource number (URN) obtained from <a href="#">perseus_catalog</a> .
excerpt	An index to excerpt the text. For example, the first four "verses" of a text might be 1.1-1.4. If NULL, the entire work is returned.

### Value

A seven column tbl\_df with one row for each "section" (splits vary from text—could be line, chapter, etc.). Columns:

**text** character vector of text

**urn** Uniform Resource Number

**group\_name** Could refer to author (e.g. "Aristotle") or corpus (e.g. "New Testament")

**label** Text label, e.g. "Phaedrus"

**description** Text description

**language** Text language, e.g. "grc" = Greek, "lat" = Latin, "eng" = English

**section** Text section or excerpt if specified

### Examples

```
get_perseus_text("urn:cts:greekLit:tlg0013.tlg028.perseus-grc2")
get_perseus_text("urn:cts:latinLit:stoa0215b.stoa003.opp-lat1")
get_perseus_text(urn = "urn:cts:greekLit:tlg0031.tlg009.perseus-grc2", excerpt = "5.1-5.5")
```

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greek_stop_words	<i>A dictionary of Greek stop words</i>
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**Description**

A dictionary of Greek stop words

**Usage**

greek\_stop\_words

**Format**

A data frame with 223 rows and 1 variable:

**word** Greek stop word

**Source**

Compiled manually by filtering prepositions, pronouns, conjunctions, particles, and articles.

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parse_excerpt	<i>Parse a Greek excerpt</i>
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**Description**

This function parses a Greek excerpt from the Perseus Digital Library. Parsing includes part of speech, gender, case, mood, voice, tense, person, number, and degree.

**Usage**

parse\_excerpt(urn, excerpt)

**Arguments**

urn	a valid urn from the perseus_catalog object.
excerpt	a valid excerpt, e.g. 5.1-5.5

**Value**

a data frame

**Examples**

```
parse_excerpt("urn:cts:greekLit:tlg0031.tlg002.perseus-grc2", "5.1-5.4")
```

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perseus\_catalog      *Metadata for texts available via the Perseus Digital Library.*

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### Description

A dataset containing the texts available from the Perseus Digital Library.

### Usage

```
perseus_catalog
```

### Format

A data frame with 2291 rows and 5 variables:

**urn** Uniform Resource Number

**group\_name** Could refer to author (e.g. "Aristotle") or corpus (e.g. "New Testament")

**label** Text label, e.g. "Phaedrus"

**description** Text description

**language** Text language, e.g. "grc" = Greek, "lat" = Latin, "eng" = English, "hpt" = Hebrew pointed text, "hct" = Hebrew consonantal text, "ger" = German, "oth" = other

### Source

<http://cts.perseids.org/api/cts/?request=GetCapabilities>

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perseus\_parallel      *Render a text parallel with ggplot2*

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### Description

Render a text parallel with ggplot2

### Usage

```
perseus_parallel(perseus_df, words_per_row = 6)
```

### Arguments

perseus\_df      a data frame obtained from get\_perseus\_text. Can contain multiple texts.

words\_per\_row    adjusts the words displayed per "row".

### Value

a ggplot object

## Examples

```
## Not run:
tibble::tibble(label = c("Colossians", rep("1 Thessalonians", 2), "Romans"),
               excerpt = c("1.4", "1.3", "5.8", "8.35-8.39")) %>%
  dplyr::left_join(perseus_catalog) %>%
  dplyr::filter(language == "grc") %>%
  dplyr::select(urn, excerpt) %>%
  as.list() %>%
  purrr::pmap_df(get_perseus_text) %>%
  perseus_parallel()

## End(Not run)
```

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rperseus

*rperseus: A package to obtain texts from the Perseus Digital Library*

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## Description

The package contains a catalog and a function. The catalog is [perseus\\_catalog](#) and can be perused to locate a particular text and its corresponding URN. Then pass the URN to [get\\_perseus\\_text](#) to obtain the text.

## Author(s)

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