Package 'scryr'

October 14, 2022

Title An Interface to the 'Scryfall' API

Version 1.0.0

Description A simple, light, and robust interface between R and
the 'Scryfall' card data API <https://scryfall.com/docs/api>.

License MIT + file LICENSE

URL <https://curso-r.github.io/scryr/>, <https://github.com/curso-r/scryr>

Imports dplyr, httr, purrr, tibble

Suggests covr, httptest, knitr, rmarkdown, testthat (>= 3.0.0)

VignetteBuilder knitr

Config/testthat/edition 3

Config/testthat/parallel true

Encoding UTF-8

RoxygenNote 7.1.2

NeedsCompilation no

Author Caio Lente [aut, cre] (<https://orcid.org/0000-0001-8473-069X>),
Scryfall [cph],
Wizards of the Coast [cph],
Curso-R [cph, fnd]

Maintainer Caio Lente <clente@curso-r.com>

Repository CRAN

Date/Publication 2022-01-28 08:20:05 UTC

R topics documented:

---

autocomplete_name   *Autocomplete the name of a card*

Description

Returns a string vector of up to 20 full English card names that could be autocompletions of the given name argument.

Usage

```
autocomplete_name(name, include_extras = FALSE)
```

Arguments

name   A string with a card's name (or part of it). See details.

include_extras   If TRUE, extra cards (tokens, planes, etc) will be included.

Details

The names are sorted with the nearest match first, highly favoring results that begin with your given string.

Spaces, punctuation, and capitalization are ignored.

If name is less than 2 characters long, or if no names match, the vector will contain 0 elements (instead of returning any errors).

Value

A string vector.

References

https://scryfall.com/docs/api/cards/autocomplete

Examples

```
# Get all related card names
autocomplete_name("falken")
```

---

parse_cost *Parse mana costs*

Description

Parses the given mana `cost` argument and returns Scryfall's interpretation.

Usage

```
parse_cost(cost)
```

Arguments

cost   The mana string to parse. For more information, see details.

Details

The server understands most community shorthand for mana costs (such as `2WW` for `{2}{W}{W}`). Symbols can also be out of order, lowercase, or have multiple colorless costs (such as `2{g}2` for `{4}{G}`).

If part of the string could not be understood, the server will return an error describing the problem.

Value

A data frame with 1 row and the following columns:

- `cost` [chr]: The normalized cost, with correctly-ordered and wrapped mana symbols.
- `colors` [list]: The colors of the given cost.
- `cmc` [dbl]: The converted mana cost. If you submit Un-set mana symbols, this decimal could include fractional parts.
- `colorless` [lgl]: Whether the cost is colorless.
- `monocolored` [lgl]: Whether if the cost is monocolored.
- `multicolored` [lgl]: Whether if the cost is multicolored.

References

https://scryfall.com/docs/api/card-symbols/parse-mana

Examples

```
# Parse mana costs
parse_cost("2g2")
```

---

scry-bulk   *Retrieve information about bulk data files*

Description

Scryfall provides daily exports of our card data in bulk files. Each of these files is represented as a `bulk_data` object via the API. See details.

Usage

```
scry_bulk_files()

scry_bulk_file(name)
```

Arguments

name   A string with file to be downloaded. Can be any one of `Oracle Cards`, `Unique Artwork`, `Default Cards`, `All Cards` or `Rulings`. See details.

Details

URLs for files change their timestamp each day, and can be fetched programmatically. The currently available files are the following:

- Oracle Cards: A JSON file containing one Scryfall card for each Oracle ID on Scryfall. The chosen sets for the cards are an attempt to return the most up-to-date recognizable version of the card.
- Unique Artwork: A JSON file of Scryfall cards that together contain all unique artworks. The chosen cards promote the best image scans.
- Default Cards: A JSON file containing every card on Scryfall in English or the printed language if the card is only available in one language.
- All Cards: A JSON file containing every card on Scryfall in every language.
- Rulings: A JSON file containing all Rulings on Scryfall. Each ruling refers to cards via an `oracle_id`.

Please note:

- Cards in bulk data include price information, but **prices should be considered dangerously stale after 24 hours**. Only use bulk price information to track trends or provide a general estimate of card value. Prices are not updated frequently enough to power a storefront or sales system. You consume price information at your own risk.
- Updates to gameplay data (such as card names, Oracle text, mana costs, etc) are much less frequent. If you only need gameplay information, downloading card data once per week or right after set releases would most likely be sufficient.
- Every card type in every product is included, including planar cards, schemes, Vanguard cards, tokens, emblems, and funny cards.

Bulk data is only collected once every 12 hours. You can use `scry_cards()` to retrieve fresh objects instead.

Value

A data frame with 1 or more rows and the following columns:

- id [chr]: A unique ID for this bulk item.
- name [chr]: A human-readable name for this file. See details.
- type [chr]: A computer-readable string for the kind of bulk item.
- updated_at [dttm]: The time when this file was last updated.
- uri [chr]: The Scryfall API URI for this file.
- description [chr]: A human-readable description for this file.
- compressed_size [int]: The size of this file in integer bytes.
- download_uri [chr]: The URI that hosts this bulk file for fetching.
- content_type [chr]: The MIME type of this file.
- content_encoding [chr]: The Content-Encoding encoding that will be used to transmit this file when you download it.

References

https://scryfall.com/docs/api/bulk-data

Examples

```
# Get information about bulk data files
scry_bulk_files()

# Download a bulk data file
scry_bulk_file("Rulings")
```

---

scry-cards   *Retrieve information about cards*

Description

Cards represent individual *Magic: The Gathering* playing cards that players could obtain and add to their collection (with a few minor exceptions).

Cards are the API's most complex object. You are encouraged to thoroughly read this document and also vignette("layouts").

Usage

```
scry_cards(
  q,
  unique = "cards",
  order = "name",
  dir = "auto",
  include_extras = FALSE,
  include_multilingual = FALSE,
  include_variations = FALSE,
  page = NULL
)

scry_card(id, source = "scryfall")

scry_card_name(name, mode = c("fuzzy", "exact"), set = NULL)

scry_card_number(number, set, lang = "en")

scry_card_random(q = NULL)
```

Arguments

q   A search query using the same fulltext search system that Scryfall uses. For
                more information see vignette("syntax").

unique   The strategy for omitting similar cards. The options are:

                • cards: Removes duplicate gameplay objects (cards that share a name and
                  have the same functionality). For example, if your search matches more
                  than one print of Pacifism, only one copy of Pacifism will be returned.

                • art: Returns only one copy of each unique artwork for matching cards. For
                  example, if your search matches more than one print of Pacifism, one card
                  with each different illustration for Pacifism will be returned, but any cards
                  that duplicate artwork already in the results will be omitted.

                • prints: Returns all prints for all cards matched (disables rollup). For ex-
                  ample, if your search matches more than one print of Pacifism, all matching
                  prints will be returned.

order   The method to sort returned cards. The options are:

                • name: Sort cards by name, A -> Z.
                • set: Sort cards by their set and collector number: AAA/#1 -> ZZZ/#999.
                • released: Sort cards by their release date: Newest -> Oldest.
                • rarity: Sort cards by their rarity: Common -> Mythic.
                • color: Sort cards by their color and color identity: WUBRG -> multicolor
                  -> colorless.
                • usd: Sort cards by their lowest known U.S. Dollar price: 0.01 -> highest,
                  NA last.
                • tix: Sort cards by their lowest known TIX price: 0.01 -> highest, NA last.
                • eur: Sort cards by their lowest known Euro price: 0.01 -> highest, NA last.

- cmc: Sort cards by their converted mana cost: 0 -> highest.
- power: Sort cards by their power: NA -> highest.
- toughness: Sort cards by their toughness: NA -> highest.
- edhrec: Sort cards by their EDHREC ranking: lowest -> highest.
- artist: Sort cards by their front-side artist name: A -> Z.
- review: Sort cards how podcasts review sets, usually color & CMC, lowest -> highest, with Booster Fun cards at the end.

dir   The direction to sort cards. The options are:

- auto: Scryfall will automatically choose the most intuitive direction to sort.
- asc: Sort ascending (the direction of the arrows in the previous argument).
- desc: Sort descending (flip the direction of the arrows in the previous argument).

include_extras If TRUE, extra cards (tokens, planes, etc) will be included. Equivalent to adding include:extras to the search query.

include_multilingual
                If TRUE, cards in every language supported by Scryfall will be included.

include_variations
                If TRUE, rare care variants will be included, like the Hairy Runesword.

page   The results' page number to return. If NULL (the default), all available results will be returned.

id   Unique card identifier. May refer to any supported source.

source   Source to which id refers. Can be any one of scryfall, multiverse, mtgo, arena, tcgplayer or cardmarket.

name   A string with a card's name (or part of it).

mode   Search mode. Can be either fuzzy (name may be part of a card's name, allows misspellings and partial words to be provided too) or exact (name has to match exactly, case insensitive).

set   The three to five-letter set code.

number   The card's collector number for a set.

lang   The 2-3 character language code. For more information, see vignette("languages")

Value

A data frame with 1 or more rows and the following columns:

- id [chr]: A unique ID for this card in Scryfall's database.
- name [chr]: The name of this card. If this card has multiple faces, this column will contain both names separated by ␣//␣.
- set [chr]: This card's set code.
- lang [chr]: A language code for this printing. For more information, see vignette("languages")
- colors [list]: This card's colors, if the overall card has colors defined by the rules. Otherwise the colors will be on the card_faces column, see below.
- color_identity [list]: This card's color identity.

- color_indicator [list]: The colors in this card's color indicator, if any. A NULL value for this column indicates the card does not have one.

- mana_cost [chr]: The mana cost for this card. This value will be any empty string "" if the cost is absent. Remember that per the game rules, a missing mana cost and a mana cost of {0} are different values. Multi-faced cards will report this value in card_faces, see below.

- cmc [dbl]: The card's converted mana cost. Note that some funny cards have fractional mana costs.

- oracle_text [chr]: The Oracle text for this card, if any.

- power [chr]: This card's power, if any. Note that some cards have powers that are not numeric, such as *.

- toughness [chr]: This card's toughness, if any. Note that some cards have toughnesses that are not numeric, such as *.

- type_line [chr]: The type line of this card.

- edhrec_rank [int]: This card's overall rank/popularity on EDHREC. Not all cards are ranked.

- hand_modifier [chr]: This card's hand modifier, if it is Vanguard card. This value will contain a delta, such as -1.

- keywords [list]: A vector of keywords that this card uses, such as Flying and Cumulative upkeep.

- layout [chr]: A code for this card's layout. For more information see vignette("layouts")

- legalities [list]: A data frame describing the legality of this card across play formats. Possible legalities are legal, not_legal, restricted, and banned.

- life_modifier [chr]: This card's life modifier, if it is Vanguard card. This value will contain a delta, such as +2.

- loyalty [chr]: This loyalty if any. Note that some cards have loyalties that are not numeric, such as X.

- oversized [lgl]: Whether this card is oversized.

- produced_mana [list]: Colors of mana that this card could produce.

- reserved [lgl]: Whether this card is on the Reserved List.

- oracle_id [chr]: A unique ID for this card's oracle identity. This value is consistent across reprinted card editions, and unique among different cards with the same name (tokens, Unstable variants, etc).

- arena_id [int]: This card's Arena ID, if any. A large percentage of cards are not available on Arena and do not have this ID.

- mtgo_id, mtgo_foil_id [int]: This card's Magic Online ID (also known as the Catalog ID), if any. A large percentage of cards are not available on Magic Online and do not have this ID.

- multiverse_ids [list]: This card's multiverse IDs on Gatherer, if any, as a vector of integers. Note that Scryfall includes many promo cards, tokens, and other esoteric objects that do not have these identifiers.

- tcgplayer_id, tcgplayer_etched_id [int]: This card's ID on [TCGplayer's API](), also known as the productId.

- cardmarket_id [int]: This card's ID on Cardmarket's API, also known as the idProduct.

- uri [chr]: A link to this card on Scryfall's API.

- `scryfall_uri` [chr]: A link to this card's permapage on Scryfall's

- `rulings_uri` [chr]: A link to this card's rulings list on Scryfall's API. For more information see `scry_ruling()`

- `prints_search_uri` [chr]: A link to where you can begin paginating all re/prints for this card on Scryfall's API. website.

- `all_parts` [list]: If this card is closely related to other cards, this column will be a data frame with the following columns:

    - `id` [chr]: An unique ID for this card in Scryfall's database.
    - `object` [chr]: A content type for this object, always `related_card`.
    - `component` [chr]: A column explaining what role this card plays in this relationship, one of `token`, `meld_part`, `meld_result`, or `combo_piece`.
    - `name` [chr]: The name of this particular related card.
    - `type_line` [chr]: The type line of this card.
    - `uri` [chr]: A URI where you can retrieve a full object describing this card on Scryfall's API.

- `card_faces` [list]: A data frame of card faces (if this card is multifaced) with the following columns. For more information see `vignette("layouts")`.

    - `name` [chr]: The name of this particular face.
    - `colors` [list]: This face's colors, if the game defines colors for the individual face of this card.
    - `color_indicator` [list]: The colors in this face's color indicator, if any.
    - `mana_cost` [chr]: The mana cost for this face. This value will be any empty string `""` if the cost is absent. Remember that per the game rules, a missing mana cost and a mana cost of `{0}` are different values.
    - `cmc` [dbl]: The mana value of this particular face, if the card is reversible.
    - `oracle_text` [chr]: The Oracle text for this face, if any.
    - `power` [chr]: This face's power, if any. Note that some cards have powers that are not numeric, such as `*`.
    - `toughness` [chr]: This face's toughness, if any.
    - `type_line` [chr]: The type line of this particular face, if the card is reversible.
    - `layout` [chr]: The layout of this card face, if the card is reversible.
    - `loyalty` [chr]: This face's loyalty, if any.
    - `oracle_id` [chr]: The Oracle ID of this particular face, if the card is reversible.
    - `artist` [chr]: The name of the illustrator of this card face. Newly spoiled cards may not have this column yet.
    - `artist_id` [chr]: This faces's illustrator's unique identifier.
    - `flavor_name` [chr]: The just-for-fun name printed on the card (such as for Godzilla series cards).
    - `flavor_text` [chr]: The flavor text printed on this face, if any.
    - `illustration_id` [chr]: A unique identifier for the card face artwork that remains consistent across reprints. Newly spoiled cards may not have this column yet.
    - `image_uris` [list]: A data frame providing URIs to imagery for this face, if this is a double-sided card. If this card is not double-sided, then the `image_uris` column will be part of the parent object instead.

- – printed_name [chr]: The localized name printed on this face, if any.
- – printed_text [chr]: The localized text printed on this face, if any.
- – printed_type_line [chr]: The localized type line printed on this face, if any.
- – watermark [chr]: The watermark on this particularly card face, if any.
- artist [chr]: The name of the illustrator of this card. Newly spoiled cards may not have this column yet.
- booster [lgl]: Whether this card is found in boosters.
- border_color [chr]: This card's border color: black, white, borderless, silver, or gold.
- card_back_id [chr]: The Scryfall ID for the card back design present on this card.
- collector_number [chr]: This card's collector number. Note that collector numbers can contain non-numeric characters, such as letters or stars.
- content_warning [lgl]: TRUE if you should consider avoiding use of this print downstream.
- digital [lgl]: Whether this card was only released in a video game.
- finishes [list]: A vector of computer-readable flags that indicate if this card can come in foil, nonfoil, etched, or glossy finishes.
- flavor_name [chr]: The just-for-fun name printed on the card (such as for Godzilla series cards).
- flavor_text [chr]: The flavor text, if any.
- frame_effects [list]: This card's frame effects, if any. For more information see vignette("frames").
- frame [chr]: This card's frame layout. For more information see vignette("frames").
- full_art [lgl]: Whether this card's artwork is larger than normal.
- games [list]: A vector of games that this card print is available in, paper, arena, and/or mtgo.
- highres_image [lgl]: Whether this card's imagery is high resolution.
- illustration_id [chr]: A unique identifier for the card artwork that remains consistent across reprints. Newly spoiled cards may not have this column yet.
- image_status [chr]: A computer-readable indicator for the state of this card's image, one of missing, placeholder, lowres, or highres_scan.
- image_uris [list]: A data frame listing available imagery for this card. For more information see vignette("imagery").
- preview [list]: A data frame providing information about this card's preview.
- prices [list]: A data frame containing daily price information for this card, including usd, usd_foil, usd_etched, eur, and tix prices, as strings.
- printed_name [chr]: The localized name printed on this card, if any.
- printed_text [chr]: The localized text printed on this card, if any.
- printed_type_line [chr]: The localized type line printed on this card, if any.
- promo [lgl]: Whether this card is a promotional print.
- promo_types [list]: A vector of strings describing what categories of promo cards this card falls into.
- purchase_uris [list]: A data frame providing URIs to this card's listing on major marketplaces.

- rarity [chr]: This card's rarity. One of common, uncommon, rare, special, mythic, or bonus.
- related_uris [list]: A data frame providing URIs to this card's listing on other *Magic: The Gathering* online resources.
- released_at [date]: The date this card was first released.
- reprint [lgl]: Whether this card is a reprint.
- scryfall_set_uri [chr]: A link to this card's set on Scryfall's website.
- set_name [chr]: This card's full set name.
- set_search_uri [chr]: A link to where you can begin paginating this card's set on the Scryfall API.
- set_type [chr]: The type of set this printing is in.
- set_uri [chr]: A link to this card's set on Scryfall's API. For more information see ?scry_sets().
- set_id [chr]: This card's set Scryfall ID.
- story_spotlight [lgl]: Whether this card is a Story Spotlight.
- textless [lgl]: Whether the card is printed without text.
- variation [lgl]: Whether this card is a variation of another printing.
- variation_of [chr]: The printing ID of the printing this card is a variation of.
- security_stamp [chr]: The security stamp on this card, if any. One of oval, triangle, acorn, or arena.
- watermark [chr]: This card's watermark, if any.

References

https://scryfall.com/docs/api/cards

Examples

```
# Get all legendary vampires
scry_cards("t:vampire t:legend")

# Get card using an ID
scry_card("913dd06f-ed2f-4128-9c9d-9cd0d8a55425")

# Get card using a name
scry_card_name("Anje Falkenrath")

# Get card using a collector number and a set
scry_card_number(37, "c19")

# Just get a random legendary vampires
scry_card_random("t:vampire t:legend")
```

---

scry-catalogs   *Retrieve catalog objects*

Description

Scryfall has multiple catalog datapoints (words, card values, etc). They are provided by the API as aids for building other *Magic* software and understanding possible values for a column.

Usage

```
scry_catalog(name)
```

Arguments

name   A string with the name of the catalog to return. Can be one of:

- card-names: Returns all nontoken English card names in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- artist-names: Returns all canonical artist names in Scryfall's database. This catalog won't include duplicate, misspelled, or funny names for artists. Values are updated as soon as a new card is entered for spoiler seasons.
- word-bank: Returns all English words, of length 2 or more, that could appear in a card name. Values are drawn from cards currently in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- creature-types: Returns all creature types in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- planeswalker-types: Returns all Planeswalker types in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- land-types: Returns all Land types in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- artifact-types: Returns all artifact types in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- enchantment-types: Returns all enchantment types in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- spell-types: Returns all spell types in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- powers: Returns all possible values for a creature or vehicle's power in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- toughnesses: Returns all possible values for a creature or vehicle's toughness in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- loyalties: Returns all possible values for a Planeswalker's loyalty in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.

- `watermarks`: Returns all card watermarks in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- `keyword-abilities`: Returns all keyword abilities in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- `keyword-actions`: Returns all keyword actions in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.
- `ability-words`: Returns all ability words in Scryfall's database. Values are updated as soon as a new card is entered for spoiler seasons.

Value

A string vector.

References

<https://scryfall.com/docs/api/catalogs>

Examples

```
# Get information from a catalog
scry_catalog("keyword-actions")
```

---

scry-rulings   *Retrieve information about rulings*

Description

Oracle rulings are Wizards of the Coast's set release notes or Scryfall's notes for a particular card.

Usage

```
scry_ruling(id, source = "scryfall")

scry_ruling_number(number, set)
```

Arguments

`id`	Unique card indentifier. May refer to any supported `source`.
`source`	Source to which `id` refers. Can be any one of `scryfall`, `multiverse`, `mtgo`, or `arena`.
`number`	The card's collector number for a set.
`set`	The three to five-letter set code.

Details

Rulings with a `scryfall` source have been added by the Scryfall team, either to provide additional context for the card, or explain how the card works in an unofficial format (such as Duel Commander).

Value

A data frame with 1 or more rows and the following columns:

- `oracle_id` [chr]: Unique identifier on the Oracle database.
- `source` [chr]: A computer-readable string indicating which company produced this ruling, either `wotc` or `scryfall`. See details.
- `published_at` [date]: The date when the ruling or note was published.
- `comment` [chr]: The text of the ruling.

References

<https://scryfall.com/docs/api/rulings>

Examples

```
# Get rulings for a card
scry_ruling("913dd06f-ed2f-4128-9c9d-9cd0d8a55425")
```

---

scry-sets   *Retrieve information about sets*

Description

A Set represents a group of related *Magic* cards. All cards on Scryfall belong to exactly one set.

Usage

```
scry_sets()

scry_set(id, source = "code")
```

Arguments

id	Unique set indentifier. May refer to any supported `source`.
source	Source to which id refers. Can be any one of `code` (the regular three to five-letter set code), `scryfall` or `tcgplayer`. See details.

Details

Due to *Magic*'s long and complicated history, Scryfall includes many un-official sets as a way to group promotional or outlier cards together. Such sets will likely have a code that begins with p or t, such as pcel or tori. Official sets always have a three-letter set code, such as zen.

Value

A data frame with 1 or more rows and the following columns:

- id [chr]: A unique ID for this set on Scryfall that will not change.
- code [chr]: The unique three to five-letter code for this set. See details.
- name [chr]: The English name of the set.
- mtgo_code [chr]: The unique code for this set on MTGO, which may differ from the regular code.
- arena_code [chr]: The unique code for this set on MTG Arena, which may differ from the regular code.
- tcgplayer_id [int]: This set's ID on TCGplayer's API, also known as the groupId.
- uri [chr]: A link to this set on Scryfall's API.
- scryfall_uri [chr]: A link to this set's permapage on Scryfall's
- search_uri [chr]: A Scryfall API URI that you can request to begin paginating over the cards in this set.
- released_at [date]: The date the set was released or the first card was printed in the set (in GMT-8 Pacific time).
- set_type [chr]: Scryfall provides an overall categorization for each Set in the set_type property. The options are:
    - core: A yearly *Magic* core set (Tenth Edition, etc).
    - expansion: A rotational expansion set in a block (Zendikar, etc).
    - masters: A reprint set that contains no new cards (Modern Masters, etc).
    - masterpiece: Masterpiece Series premium foil cards.
    - arsenal: A Commander-oriented gift set.
    - from_the_vault: From the Vault gift sets.
    - spellbook: Spellbook series gift sets.
    - premium_deck: Premium Deck Series decks.
    - duel_deck: Duel Decks.
    - draft_innovation: Special draft sets, like Conspiracy and Battlebond.
    - treasure_chest: Magic Online treasure chest prize sets.
    - commander: Commander preconstructed decks.
    - planechase: Planechase sets.
    - archenemy: Archenemy sets.
    - vanguard: Vanguard card sets.
    - funny: A funny un-set or set with funny promos (Unglued, Happy. Holidays, etc).
    - starter: A starter/introductory set (Portal, etc).

   - box: A gift box set.
   - promo: A set that contains purely promotional cards.
   - token: A set made up of tokens and emblems..
   - memorabilia: A set made up of gold-bordered, oversize, or trophy cards. that are not legal.
- card_count [int]: The number of cards in this set.
- parent_set_code [chr]: The set code for the parent set, if any. promo and token sets often have a parent set.
- printed_size [int]: The denominator for the set's printed collector numbers.
- digital [lgl]: Whether this set was only released in a video game.
- nonfoil_only [lgl]: Whether this set contains only nonfoil cards.
- foil_only [lgl]: Whether this set contains only foil cards.
- block_code [chr]: The block code for this set, if any.
- block [chr]: The block or group name code for this set, if any.
- icon_svg_uri [chr]: A URI to an SVG file for this set's icon on Scryfall's CDN. Hotlinking this image isn't recommended, because it may change slightly over time. You should download it and use it locally for your particular user interface needs.

References

https://scryfall.com/docs/api/sets

Examples

```
# Get all sets
scry_sets()

# Get set using an ID
scry_set("vow")
```

---

scry-symbols   *Retrieve information about symbols*

Description

An illustrated symbol may appear in card's mana cost or Oracle text. Symbols are based on the notation used in the Comprehensive Rules.

For more information about how the Scryfall API represents mana and costs, see vignette("colors").

Usage

```
scry_symbols()
```

Value

A data frame with 1 row and the following columns:

- `symbol` [chr]: The plaintext symbol. Often surrounded with curly braces. Note that not all symbols are ASCII text (for example, the infinity symbol).
- `colors` [list]: A vector of colors that this symbol represents.
- `cmc` [dbl]: A decimal number representing this symbol's converted mana cost. Note that mana symbols from funny sets can have fractional converted mana costs.
- `loose_variant` [chr]: An alternate version of this symbol, if it is possible to write it without curly braces.
- `english` [chr]: An English snippet that describes this symbol. Appropriate for use in alt text or other accessible communication formats.
- `gatherer_alternates` [list]: A vector of plaintext versions of this symbol that Gatherer uses on old cards to describe original printed text. For example: {W} has <"oW", "ooW"> as alternates.
- `transposable` [lgl]: Whether it is possible to write this symbol "backwards". For example, the official symbol {U/P} is sometimes written as {P/U} or {P\U} in informal settings.
- `represents_mana` [lgl]: Whether this is a mana symbol.
- `appears_in_mana_costs` [lgl]: Whether this symbol appears in a mana cost on any *Magic* card. For example {20} has this column set to `FALSE` because {20} only appears in Oracle text, not mana costs.
- `funny` [lgl]: Whether this symbol is only used on funny cards or Un-cards.
- `svg_uri` [chr]: A URI to an SVG image of this symbol on Scryfall's CDNs.

References

<https://scryfall.com/docs/api/card-symbols>

Examples

```
# Get information about symbols
scry_symbols()
```

Index