

# Package ‘ravelRy’

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**Title** An Interface to the 'Ravelry' API

**Version** 0.1.0

**Description** Provides access to the 'Ravelry' API <<https://www.ravelry.com/groups/ravelry-api>>. An R wrapper for pulling data from 'Ravelry.com', an organizational tool for crocheters, knitters, spinners, and weavers. You can retrieve pattern, yarn, author, and shop information by search or by a given id.

**License** MIT + file LICENSE

**Encoding** UTF-8

**LazyData** true

**Suggests** spelling, testthat

**Language** en-US

**Imports** htr, jsonlite, dplyr, tibble, purrr, tidyr

**RoxygenNote** 6.1.1

**NeedsCompilation** no

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get\_designer *Get details for a designer*

### **Description**

This function retrieves details for a designer using their id.

### **Usage**

```
get_designer(id)
```

### **Arguments**

id                    designer id

### **Value**

tibble with name, notes, count of patterns, etc.

### **Examples**

```
## Not run: get_designer(id = 1)
```

get\_patterns *Get pattern details for multiple patterns*

### **Description**

This function retrieves details for one or multiple patterns using the pattern id.

### **Usage**

```
get_patterns(ids)
```

### **Arguments**

ids                    one or more 'pattern\_id's. Tested for vectors of up to 500 ids; 100 max recommended.

**Value**

tibble containing pattern details, like yardage, gauge, count of comments, ratings, etc.

**Examples**

```
## Not run: get_patterns(ids = c(600, 601))
```

---

*get\_pattern\_categories*  
*Get pattern categories*

---

**Description**

This function retrieves pattern categories.

**Usage**

```
get_pattern_categories()
```

**Value**

nested tibble containing levels of categories and sub-categories for patterns.

**Examples**

```
## Not run: get_pattern_categories()
```

---

*get\_shop*                      *Get details for a shop*

---

**Description**

This function retrieves details for a shop using its id.

**Usage**

```
get_shop(id)
```

**Arguments**

id                      shop id

**Value**

tibble containing shop info including address, contact info, and other descriptive variables.

**Examples**

```
## Not run: get_shop(id = 1781)
```

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get_yarns	<i>Get details for multiple yarns</i>
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**Description**

This function retrieves details for one or multiple yarns using the yarn id.

**Usage**

```
get_yarns(ids)
```

**Arguments**

ids                    one or more 'yarn\_id's

**Value**

tibble containing yarn details like company, gauge, grams, texture, needle sizes, ratings, etc.

**Examples**

```
## Not run: get_yarns(ids = c(66124,54110))
```

---

get_yarn_attribute_groups	<i>Get yarn attribute groups</i>
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**Description**

This function retrieves yarn attribute groups.

**Usage**

```
get_yarn_attribute_groups()
```

**Value**

tibble containing current attribute groups for yarn.

**Examples**

```
## Not run: get_yarn_attribute_groups()
```

---

ravelry_auth	<i>Get or set basic authentication credentials</i>
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**Description**

The API wrapper functions in this package rely on basic authentication via username and password residing in the environment variables RAVELRY\_USERNAME and RAVELRY\_PASSWORD. The easiest way to accomplish this is to set it in the `‘.Renviron‘` file in your home directory. If you do not have these credentials, you can create them at <https://www.ravelry.com/pro/developer>.

**Usage**

```
ravelry_auth(key = "username", overwrite = FALSE)
```

**Arguments**

key	the variable to set - either username or password
overwrite	overwrite the existing variable in the current environment?

**Value**

atomic character vector containing the username or password credential

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ravelry_get	<i>Basic API call</i>
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**Description**

This function is the base GET call to the Ravelry API.

**Usage**

```
ravelry_get(path, query = NULL)
```

**Arguments**

path	the API method to call
query	call parameters in the form of a list()

**Value**

API object

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search_groups	<i>Search groups</i>
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**Description**

This function retrieves groups based on search terms.

**Usage**

```
search_groups(query = NULL, page = NULL, page_size = NULL,
              sort = NULL, ...)
```

**Arguments**

query	search string
page	result page to retrieve; defaults to first page
page_size	number of results to retrieve; defaults to 50
sort	options: 'best', 'added', 'favorites'
...	pass any other filter parameters available via <a href="https://www.ravelry.com/groups/search">https://www.ravelry.com/groups/search</a> (ex. creation, gc)

**Value**

tibble containing group information, like name, created\_at, short\_description, etc.

**Examples**

```
## Not run: search_groups(query = 'star wars')

# with site search parameters
## Not run: search_groups(query = 'star wars', gc = 'knitting')
```

---

search_patterns	<i>Search for patterns</i>
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**Description**

This function retrieves a list of pattern ids and basic details based on search terms.

**Usage**

```
search_patterns(query = NULL, page = NULL, page_size = NULL, ...)
```

**Arguments**

query	search string
page	result page to retrieve; defaults to first page
page_size	number of results to retrieve; defaults to 100
...	pass any other filter parameters available via <a href="https://www.ravelry.com/patterns/search">https://www.ravelry.com/patterns/search</a> (ex. craft, availability, photo, pa, fit, weight, etc.)

**Value**

tibble containing basic pattern details, some nested

**Examples**

```
## Not run: search_patterns(query = 'cowl')

# with site search parameters
## Not run: search_patterns(query = 'hat', page_size = 10, availability = 'free', fit = 'baby')
```

---

search_shops	<i>Search shops</i>
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**Description**

This function retrieves shops based on search terms.

**Usage**

```
search_shops(query = NULL, shop_type_id = NULL, lat = NULL,
             lng = NULL, radius = NULL, units = NULL, page = NULL,
             page_size = NULL, sort = NULL)
```

**Arguments**

query	search string
shop_type_id	set to 1 to restrict to local stores only (filter out chains and online stores)
lat	latitude for geographic search
lng	longitude for geographic search
radius	radius for geographic search
units	units for geographic search, 'miles' or 'km'
page	result page to retrieve; defaults to 1
page_size	number of results to retrieve; defaults to 100
sort	options: 'best', 'added', 'favorites'

**Value**

tibble with address, social media, and other descriptive features for shops

**Examples**

```
## Not run: search_shops(lat = 42.35, lng = -71.05, radius = 100)
```

---

search\_yarn

*Search for yarn*

---

**Description**

This function retrieves a list of basic yarn details based on search terms.

**Usage**

```
search_yarn(query = NULL, page = NULL, page_size = NULL,
            sort = NULL, ...)
```

**Arguments**

query	search string
page	result page to retrieve; defaults to first page
page_size	number of results to retrieve; defaults to 100
sort	options: 'best', 'rating', 'projects'
...	pass any other filter parameters available via <a href="https://www.ravelry.com/yarns/search">https://www.ravelry.com/yarns/search</a> (ex. weight, needles, photo, fiberc, ya, ratings, origin)

**Value**

tibble containing basic pattern details, some nested

**Examples**

```
## Not run: search_yarn(query = 'cascade', page_size = 10)

# using site search parameters
## Not run: search_yarn(query = 'cascade', sort = 'best', weight = 'sport', needles = '3.75mm')
```

---

search\_yarn\_companies *Search yarn companies*

---

### Description

This function retrieves yarn companies based on search terms.

### Usage

```
search_yarn_companies(query = NULL, page = NULL, page_size = NULL,  
  sort = NULL, ...)
```

### Arguments

query	search string
page	result page to retrieve; defaults to first page
page_size	number of results to retrieve; defaults to 48
sort	options: 'best'
...	pass any other filter parameters available via <a href="https://www.ravelry.com/yarns/brands/search">https://www.ravelry.com/yarns/brands/search</a>

### Value

tibble containing company details

### Examples

```
## Not run: search_yarn_companies(query = 'lion')
```

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