

R package to interface with Yelp Fusion API - Listed as an unofficial API on <https://github.com/Yelp/yelp-fusion>

[#yelp-api](#) [#yelp-fusion-api](#)

60 commits

1 branch

0 releases

1 contributor

Branch: master ▾

New pull request

Create new file

Upload files

Find file

Clone or download ▾

OmaymaS	update mainainer field in description	Latest commit 8473485 on Aug 27
R	remove print from function	8 months ago
man	update event_search_featured doc	9 months ago
.Rbuildignore	add travis	4 months ago
.gitignore	add key to .gitignore	8 months ago
.travis.yml	add travis	4 months ago
DESCRIPTION	update mainainer field in description	4 months ago
NAMESPACE	update namespace to export business_match_name	9 months ago
README.Rmd	update readme	8 months ago
README.md	edit README	7 months ago
yelpr.Rproj	ad .proj and .gitignore	9 months ago

README.md

# yelpr

---

An R library for the [Yelp Fusion API](#)

## Installation

---

```
devtools::install_github("OmaymaS/yelpr")
```

## API Authentication

---

From [yelp authentication guide](#) :

"In order to set up your access to Yelp Fusion API, you need to create an app with Yelp. This app represents the application you'll build using our API and includes the credentials you'll need to gain access. Here are the steps for creating an app:

- Go to [Create App](#)
- In the create new app form, enter information about your app, then agree to Yelp API Terms of Use and Display Requirements. Then click the Submit button.
- You will now have an API Key."

## Usage

---

To use the package, it is required to have an API key as clarified in the previous section. In the following examples, we will read the key once from a saved file. You could create your own file or assign the key directly in the code.

```
# load yelpr package
library(yelpr)

## assign app key
key <- readLines("yelp_app_key.txt")
```

## Business Endpoint

The available functions are:

- `business_search()`
- `business_lookup_id()`
- `business_search_phone()`
- `business_search_review()`
- `business_search_autocomplete()`
- `business_search_transaction()`
- `business_match_name()`

For example `business_search()` returns up to 1000 businesses based on the provided search criteria. The location OR (longitude+latitude) are required, plus Additional [optional parameters](#).

Here we will retrieve the first 5 results in new york with the term 'chinese'

```
# search businesses with keyword 'chinese' in 'New York'
business_ny <- business_search(api_key = key,
                                location = 'New York',
                                term = "chinese",
                                limit = 5)
```

The function returns a list, so we can extract the details of the businesses `business_ny$businesses` :

```
      id                                     alias
1 k8GFfCX02FIIJIo0ICYSRA                bao-bao-cafe-new-york-3
2 X8ZS-dgiMIJvhwf9SaDnjw                wah-fung-no-1-new-york
3 croh2zWlbPyCQTNS11klcg                sichuan-manor-new-york-3
4 0CjK3esfpFcXIopebzjFxA                joes-shanghai-new-york-2
5 lynQoI3w_pzYfHGeuUU-Qg shu-jiao-fu-zhou-cuisine-restaurant-new-york
      name
1      Bao Bao Cafe
2      Wah Fung No 1
3      Sichuan Manor
4      Joe's Shanghai
5      Shu Jiao Fu Zhou Cuisine Restaurant
      image_url
1 https://s3-media2.fl.yelpcdn.com/bphoto/pjJHm0ibLI-oVf6NBjgL9g/o.jpg
2 https://s3-media2.fl.yelpcdn.com/bphoto/QrbtEYSiE_AQkqu59Qmp4Q/o.jpg
3 https://s3-media2.fl.yelpcdn.com/bphoto/QcWYwXc47siclZkYCsxJnQ/o.jpg
4 https://s3-media3.fl.yelpcdn.com/bphoto/ekUo5egd4d1E7zJyb4-Leg/o.jpg
5 https://s3-media2.fl.yelpcdn.com/bphoto/TALCyEl-e45rDrKk3vCWaQ/o.jpg
      is_closed
1      FALSE
2      FALSE
3      FALSE
4      FALSE
5      FALSE

      url
1      https://www.yelp.com/biz/bao-bao-cafe-new-york-3?
      adjust_creative=ms3wnheA1zMACsW_cG2W_Q&utm_campaign=yelp_api_v3&utm_medium=api_v3_business_search&utm_source
```

```

2             https://www.yelp.com/biz/wah-fung-no-1-new-york?
adjust_creative=ms3wnheA1zMACsW_cG2W_Q&utm_campaign=yelp_api_v3&utm_medium=api_v3_business_search&utm_source

3             https://www.yelp.com/biz/sichuan-manor-new-york-3?
adjust_creative=ms3wnheA1zMACsW_cG2W_Q&utm_campaign=yelp_api_v3&utm_medium=api_v3_business_search&utm_source

4             https://www.yelp.com/biz/joes-shanghai-new-york-2?
adjust_creative=ms3wnheA1zMACsW_cG2W_Q&utm_campaign=yelp_api_v3&utm_medium=api_v3_business_search&utm_source

5 https://www.yelp.com/biz/shu-jiao-fu-zhou-cuisine-restaurant-new-york?
adjust_creative=ms3wnheA1zMACsW_cG2W_Q&utm_campaign=yelp_api_v3&utm_medium=api_v3_business_search&utm_source

review_count
1         26
2         930
3         35
4         4991
5         472

categories
1         noodles, chinese, Noodles, Chinese
2         chinese, Chinese
3         szechuan, dimsum, Szechuan, Dim Sum
4 shanghainese, seafood, venues, Shanghainese, Seafood, Venues & Event Spaces
5         chinese, Chinese

rating coordinates.latitude coordinates.longitude
1  4.5         40.70854         -74.01367
2  4.5         40.71735         -73.99457
3  4.5         40.75817         -73.98831
4  4.0         40.71467         -73.99776
5  4.5         40.71843         -73.99169

transactions price location.address1
1         delivery, pickup      $ 106 Greenwich St
2         restaurant_reservation $ 79 Chrystie St
3 restaurant_reservation, delivery, pickup $$$ 258 W 44th St
4         $$ 9 Pell St
5         pickup, restaurant_reservation $ 118 Eldridge St
location.address2 location.address3 location.city location.zip_code
1         <NA> New York 10006
2         New York 10002
3         <NA> New York 10036
4         New York 10013
5         <NA> <NA> New York 10002
location.country location.state location.display_address
1         US NY 106 Greenwich St, New York, NY 10006
2         US NY 79 Chrystie St, New York, NY 10002
3         US NY 258 W 44th St, New York, NY 10036
4         US NY 9 Pell St, New York, NY 10013
5         US NY 118 Eldridge St, New York, NY 10002

phone display_phone distance
1 +19172617122 (917) 261-7122 1663.255
2 +12129255175 (212) 925-5175 1323.285
3 +16467670854 (646) 767-0854 5884.486
4 +12122338888 (212) 233-8888 1066.509
5 +12126252532 (212) 625-2532 1460.313

```

## Events Endpoint

The available functions are:

- `event_lookup_id()`
- `event_search()`
- `event_search_featured()`

For example, `event_search_featured` returns the featured event, chosen by Yelp's community managers, for a given location. The location OR (longitude+latitude) are required.

Here we'll get the details of featured event in the given location using the longitude and latitude.

```
# search featured event in the given location coordinates
event <- event_search_featured(api_key = key,
                              longitude = "-74.01385", latitude = "40.70387")
```

And the event name `event$name` would be: **52 Things To Do in 2018**