Package ‘PetfindeR’

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Type          Package
Title         ‘Petfinder’ API Wrapper
Version       2.1.0
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Description   Wrapper of the 'Petfinder API' <https://www.petfinder.com/developers/v2/docs/> that implements methods for interacting with and extracting data from the 'Petfinder' database. The 'Petfinder REST API' allows access to the 'Petfinder' database, one of the largest online databases of adoptable animals and animal welfare organizations across North America.
Encoding      UTF-8
LazyData      true
RoxygenNote   7.1.1
License       MIT + file LICENSE
URL           https://github.com/aschleg/PetfindeR
VignetteBuilder knitr
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R topics documented:

.Petfinder.class ......................................................... 2
animals ................................................................. 3
animal_types ............................................................ 5
breeds ................................................................. 6
organizations ......................................................... 7
Petfinder ............................................................ 8

Index 10
Description

Internal R6 class
Internal R6 class

Methods

Public methods:

• `.Petfinder.class$new()`
• `.Petfinder.class$animal_types()`
• `.Petfinder.class$breeds()`
• `.Petfinder.class$animals()`
• `.Petfinder.class$organizations()`
• `.Petfinder.class$clone()`

Method `new()`:

Usage:
`.Petfinder.class$new(key, secret)`

Method `animal_types()`:

Usage:
`.Petfinder.class$animal_types(types = NULL)`

Method `breeds()`:

Usage:
`.Petfinder.class$breeds(animal_types = NULL, return_df = FALSE)`

Method `animals()`:

Usage:
`.Petfinder.class$animals(
   animal_id = NULL,
   animal_type = NULL,
   breed = NULL,
   size = NULL,
   gender = NULL,
   age = NULL,
   color = NULL,
   coat = NULL,
   status = NULL,
   name = NULL,
   organization = NULL,)`
Method organizations():

Usage:
.Petfinder.class$organizations(
  organization_id = NULL, 
  name = NULL, 
  location = NULL, 
  distance = NULL, 
  state = NULL, 
  country = NULL, 
  query = NULL, 
  sort = NULL, 
  results_per_page = 20, 
  pages = 1, 
  return_df = FALSE
)

Method clone(): The objects of this class are cloneable with this method.

Usage:
.Petfinder.class$clone(deep = FALSE)

Arguments:

  deep  Whether to make a deep clone.

animals

Returns adoptable animal data from Petfinder based on specified criteria.

Description

Returns adoptable animal data from Petfinder based on specified criteria.
animals(  
  animal_id = NULL,  
  animal_type = NULL,  
  breed = NULL,  
  size = NULL,  
  gender = NULL,  
  age = NULL,  
  color = NULL,  
  coat = NULL,  
  status = NULL,  
  name = NULL,  
  organization_id = NULL,  
  location = NULL,  
  distance = NULL,  
  sort = NULL,  
  pages = 1,  
  results_per_page = 20,  
  return_df = FALSE  
)  

Arguments

animal_id  Integer or vector or list of integers representing animal IDs obtained from Petfinder. When animal_id is specified, the other function parameters are overridden. If animal_id is not specified, a search of animals on Petfinder matching given criteria is performed.

animal_type  Character vector representing desired animal type to search. Must be one of 'dog', 'cat', 'rabbit', 'small-furry', 'horse', 'bird', 'scales-fins-other', or 'barnyard'.

breed  Character vector or vector or list of character strings of desired animal type breed to search. Available animal breeds in the Petfinder database can be found using the :code:`breeds()` method.

size  Character vector or vector or list of character strings of desired animal sizes to return. The specified size(s) must be one of 'small', 'medium', 'large', or 'xlarge'.

gender  Character vector or vector or list of strings representing animal genders to return. Must be of 'male', 'female', or 'unknown'.

age  Character or vector or list of strings specifying animal age(s) to return from search. Must be of 'baby', 'young', 'adult', 'senior'.

color  String representing specified animal 'color' to search. Colors for each available animal type in the Petfinder database can be found using the animal_types() method.

coat  Desired coat(s) to return. Must be of 'short', 'medium', 'long', 'wire', 'hairless', or 'curly'.
animal_types

status  Animal status to filter search results. Must be one of ‘adoptable’, ‘adopted’, or ‘found’.
name  Searches for animal names matching or partially matching name.
organization_id  Returns animals associated with given ‘organization_id’. Can be a vector or a vector of character strings representing multiple organizations.
location  Returns results by specified location. Must be in the format ‘city, state’ for city-level results, ‘latitude, longitude’ for lat-long results, or ‘postal code’.
distance  Returns results within the distance of the specified location. If not given, defaults to 100 miles. Maximum distance range is 500 miles.
sort  Sorts by specified attribute. Leading dashes represents a reverse-order sort. Must be one of ‘recent’, ‘-recent’, ‘distance’, or ‘-distance’.
pages  Specifies which page of results to return. Defaults to the first page of results. If set to NULL, all results will be returned.
results_per_page  Number of results to return per page. Defaults to 20 results and cannot exceed 100 results per page.
return_df  If TRUE, a data.frame will be returned. Does not currently do anything.

Value

List of JSON data of resulting animals.

Examples

```r
## Not run:
pf <- Petfinder(key=key, secret=secret) # Initialize Petfinder class
tp$animals(results_per_page = 100, pages = 10)
tp$animals(location='Seattle, WA', distance = 100, results_per_page = 50, pages = 5)
tp$animals(animal_id=c(animalid1, animalid2, animalid3))
## End(Not run)
```

animal_types

Returns data on an animal type, or types available from the Petfinder API. This data includes the available type’s coat names and colors, gender and other specific information relevant to the specified type(s). The animal type must be of ‘dog’, ‘cat’, ‘rabbit’, ‘small-furry’, ‘horse’, ‘bird’, ‘scales-fins-other’, ‘barnyard’.

Description

Returns data on an animal type, or types available from the Petfinder API. This data includes the available type’s coat names and colors, gender and other specific information relevant to the specified type(s). The animal type must be of ‘dog’, ‘cat’, ‘rabbit’, ‘small-furry’, ‘horse’, ‘bird’, ‘scales-fins-other’, ‘barnyard’.
Usage

animal_types(types = NULL)

Arguments

types Specifies the animal type or types to return. Can be a character vector representing a single animal type, or a vector or list of animal types if more than one type is desired. If not specified, all animal types are returned.

Value

List of returned JSON data for each specified animal type from the Petfinder API.

Examples

```r
## Not run:
pf <- Petfinder(key=key, secret=secret) # Initialize Petfinder class
cat <- pf$animal_types(types='cat')
cat_dog <- pf$animal_types(types=c('cat', 'dog'))
all_types <- pf$animal_types()
## End(Not run)
```

---

**breeds**

Returns breed names of specified animal type, or types.

Description

Returns breed names of specified animal type, or types.

Usage

breeds(types, return_df = TRUE)

Arguments

types Specifies the animal type or types. Can be a character vector representing a single animal type, or a vector or list of animal types if more than one type is desired. If not specified, all available breeds for each animal type is returned. The animal type must be of `dog`, `cat`, `rabbit`, `small-furry`, `horse`, `bird`, `scales-fins-other`, `barnyard`.

return_df If TRUE, the result set will be coerced into a pandas data.frame with two columns, breed and name.

Value

List of returned JSON data of available breeds for each specified animal type from the Petfinder API. If the parameter return_df is TRUE, a data.frame is returned instead.
organizations

Examples

```r
## Not run:
pf <- Petfinder(key=key, secret=secret) # Initialize Petfinder class
cat_breeds <- pf$breeds('cat')
cat_dog_breeds <- pf$breeds(c('cat', 'dog'))
all_breeds <- pf$breeds()
all_breeds_df <- pf$breeds(return_df=TRUE)
## End(Not run)
```

organizations

Returns data on an animal welfare organization, or organizations, based on specified criteria.

Description

Returns data on an animal welfare organization, or organizations, based on specified criteria.

Usage

```r
organizations(
  organization_id = NULL,
  name = NULL,
  location = NULL,
  distance = NULL,
  state = NULL,
  country = NULL,
  query = NULL,
  sort = NULL,
  results_per_page = 20,
  pages = 1,
  return_df = FALSE
)
```

Arguments

- `organization_id`
  Returns results for specified `organization_id`. Can be a character vector or a vector or list of character vectors representing multiple organizations.

- `name`
  Returns results matching or partially matching organization name.

- `location`
  Returns results by specified location. Must be in the format 'city, state' for city-level results, 'latitude, longitude' for lat-long results, or 'postal code'.

- `distance`
  Returns results within the distance of the specified location. If not given, defaults to 100 miles. Maximum distance range is 500 miles.

- `state`
  Filters the results by the selected state. Must be a two-letter state code abbreviation of the state name, such as 'WA' for Washington or 'NY' for New York.
country Filters results to specified country. Must be a two-letter abbreviation of the country and is limited to the United States and Canada.

query Search matching and partially matching name, city or state.

sort Sorts by specified attribute. Leading dashes represents a reverse-order sort. Must be one of 'recent', '-recent', 'distance', or '-distance'.

results_per_page Number of results to return per page. Defaults to 20 results and cannot exceed 100 results per page.

pages Specifies which page of results to return. Defaults to the first page of results. If set to NULL, all results will be returned.

return_df If TRUE, the results will be returned as a data.frame. Currently does not do anything.

Value
List of returned JSON data of organizations matching given search criteria.

Examples
## Not run:
# Initialize Petfinder class
pf <- Petfinder(key=key, secret=secret)
pf$organizations(state='WA', results_per_page = 100, pages = 2)
pf$organizations(organization_id=c(orgid1, orgid2, orgid3))

## End(Not run)

Petfinder

Creates an authenticated connection with the Petfinder API. The stored authentication is then used to call the Petfinder API methods. An API key can be obtained from Petfinder by creating an account on their developer page (https://www.petfinder.com/developers/api-key). The function wraps the .Petfinder.class R6 class.

Description
Creates an authenticated connection with the Petfinder API. The stored authentication is then used to call the Petfinder API methods. An API key can be obtained from Petfinder by creating an account on their developer page (https://www.petfinder.com/developers/api-key). The function wraps the .Petfinder.class R6 class.

Usage
Petfinder(key, secret)

Arguments
key The API key received from Petfinder
secret The secret key received from Petfinder along with the API key.
Value

Initialized Petfinder object that is then used to access the API.

Examples

```r
## Not run:
pf <- Petfinder(key) # Creates the connection with the Petfinder API.
pf$breeds('cat') # The connection can now be used to access the Petfinder API methods.

## End(Not run)
```
Index

.Petfinder.class, 2
animal_types, 5
animals, 3
breeds, 6
organizations, 7
Petfinder, 8