pokedex

The `pokedex` package offers a suite of functions allowing a user to interact with the PokeAPI. Information about berries, evolutions, regions, and game generations is viewable.

Functions available include:

- `get_berry`
- `evolution_tree`
- `find_ev_id`
- `get_berry`
- `get_types`
- `type_effectiveness`

Installation

The package can be installed from GitHub using,

```
devtools::install_github("UBC-MDS/pokedex")
```

Usage

All functions perform similarly, taking a string specifying a pokemon or berry name, type, or relationship.

For example, information about any berry can be found as follows:

```
get_berry("cheri")
```

Note that a message will be returned if the name isn't in the PokeAPI database. Berry names must be in lowercase. A dataframe of available berries can be found by loading,

```
data(berry_lookup)
```

Users can also access information about type effectiveness. If a user wanted to know which types fire is strong against, the following will return that information,

```
type_effectiveness("fire", "strong", "against")
```

Examples

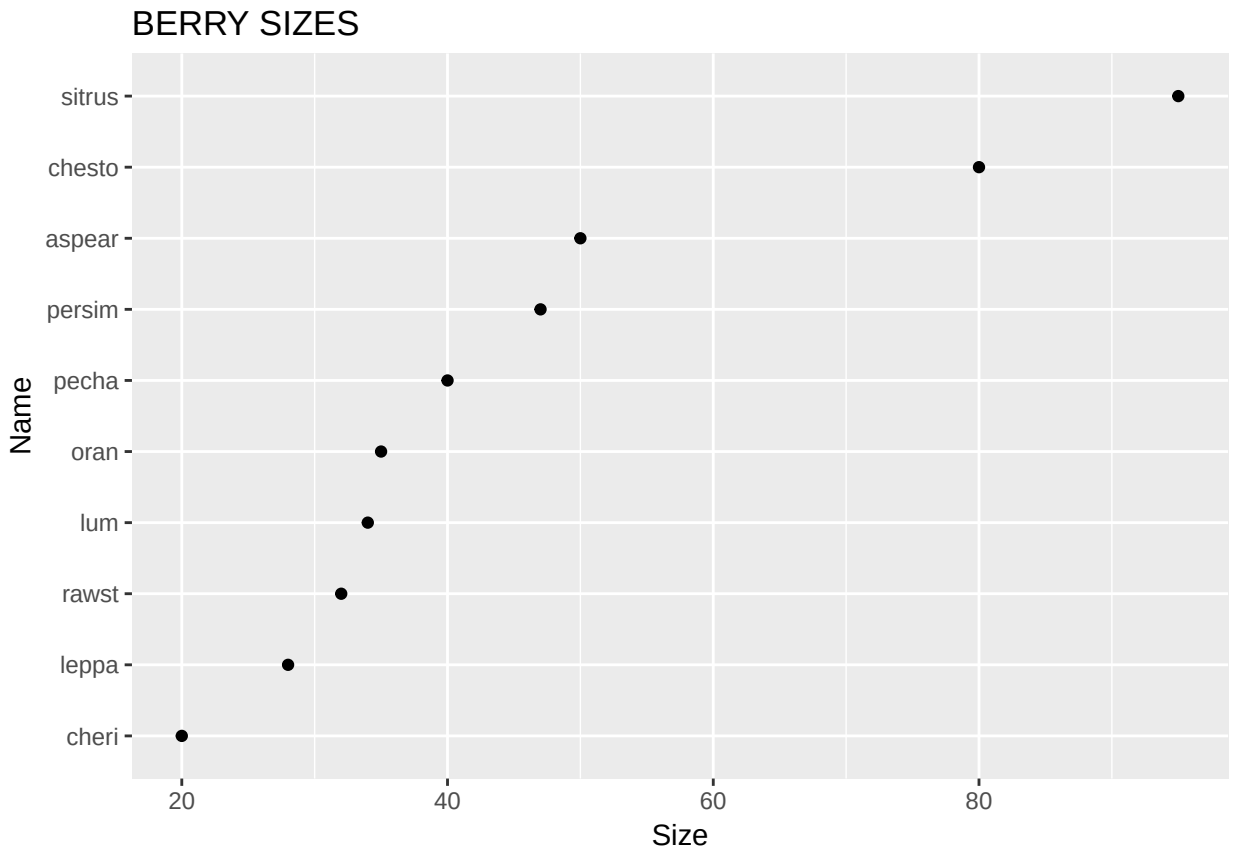
A simple example of how to generate plots:

```
# devtools::install_github("UBC-MDS/pokedex")

suppressPackageStartupMessages(library(tidyverse))
library(pokedex)

# easy to generate plots with
get_types("berry") %>%
  map_dfr(get_berry) %>%
  mutate(Name = fct_reorder(Name, Size)) %>%
```

```
  ggplot() +
  geom_point(aes(x = Size, y = Name)) +
  ggtitle("BERRY SIZES")
```



Or simply get some information:

```
get_types("version", limit = 25) %>%
  map_dfr(get_region)
```

```
## # A tibble: 25 x 3
##    game     region generation
##    <chr>    <chr>  <chr>
##  1 red      kanto  generation-i
##  2 blue     kanto  generation-i
##  3 yellow   kanto  generation-i
##  4 gold     kanto  generation-ii
##  5 silver   kanto  generation-ii
##  6 crystal  kanto  generation-ii
##  7 ruby     hoenn  generation-iii
##  8 sapphire hoenn  generation-iii
##  9 emerald  hoenn  generation-iii
## 10 firered  kanto  generation-iii
## # ... with 15 more rows
```