

taxonomic data

with taxize

Cheat Sheet



Use Cases

A few common use cases to give you a sense for what taxize can be used for:

1. Get taxonomic IDs for your species.

some diagram of this

2. Get correct spellings for your species.

some diagram of this

3. Retrieve higher taxonomic classification names.

some diagram of this

4. Fetch all taxonomic names downstream from a target taxnomic group.

some diagram of this

Data Sources

- Encyclopedia of Life
- Taxonomic Name Resolution Service
- Integrated Taxonomic Information Service
- Phylomatic
- uBio
- Global Names Resolver
- Global Names Index
- IUCN Red List
- Tropicos
- Plantminer
- Theplantlist
- Catalogue of Life
- Global Invasive Species Database
- National Center for Biotechnology Information
- CANADENSYS Vscan name search API
- International Plant Names Index (IPNI)
- Barcode of Life Data Systems (BOLD)
- National Biodiversity Network (UK)

Get taxonomic IDs

Options

- ☒ Interactively select names .
- ☒ Or, get back all names to process later.
- ☒ Or, get back certain records.

For example

taxize::get_colid(<id>)
If > 1 result, interactively select by row

taxize::get_colid_(<id>)
Get all data

taxize::get_colid(<id>, rows = 1:4)
Get rows 1 through 4

Correct Names

Out of the box frameworks

Global Names Resolver

taxize::get_colid(<id>)
If > 1 result, interactively select by row

taxize::get_colid_(<id>)
Get all data

taxize::get_colid(<id>, rows = 1:4)
Get rows 1 through 4

Others

touch on the others briefly...

DIY correction

There are a lot of functions to search various taxonomic databases - they don't do name resolution per se.

taxize::get_colid(<id>)
If > 1 result, interactively select by row

taxize::get_colid_(<id>)
Get all data

taxize::get_colid(<id>, rows = 1:4)
Get rows 1 through 4

Get names up or downstream