taxize: taxonomic search and retrieval in R



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Summary

Taxize is a R package that provides an interface to various taxonomic data sources around the web. We hope that taxize will be

Global Invasive Species Database Catalogue of Life Plantminer Plantminer Tropicos The PlantList uBio Taxize currently provides simple and programmatic access to taxonomic data from 14 data sources around the web.

Features

Resolve taxonomic names

We often have a list of species names and we want to know

- a) if we have the most up-to-date names,
- b) if our names are spelled correctly,
- c) and the scientific name for a common name.
- Taxize provides an interface to the EOL Global Names Resolver and Taxonomic Name Resolution Service, e.g.

```
gnr_resolve('Baetis roodani')

## submitted_name matched_name
## 1 Baetis roodani Baetis rhodani
Petriova bigher tavanamia names
```

Retrieve higher taxonomic names

Another common

classification('Baetis rhodani', db='col')

##		name	rank	
##	1	Animalia	Kingdom	
##	2	Arthropoda	Phylum	
##	3	Insecta	Class	
##	4	Ephemeroptera	Order	
##	5	Baetoidea	Superfamily	
##	6	Baetidae	Family	
##	7	Baetis	Genus	
##	8	Baetis rhodani	Species	
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Aggregate data to a specific taxonomic rank

Retrieve children taxa

test

Contribution

taxize is currently developed collaboratively in github. Feature requests, bug reports and contributions are strongly encouraged!



https://github.com/ropensci/taxize

