



Dias presentadas en LatinR 2020

Miguel Alvarez

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Miguel Alvarez

La travesía de taxlist en rOpenSci



rOpenSci: The *taxlist* package



CRAN 0.1.9 rdocumentation 0.1.9 R3 Peer Reviewed
build passing codecov 94%
downloads 624/month downloads 14K

<https://docs.ropensci.org/taxlist/>



kamapu commented on Jun 28, 2018

...

Summary

- What does this package do? (explain in 50 words or less):

The `taxlist` package structures taxonomic information into **S4** objects and implements methods for the manipulation of contained information. Such objects may or may not contain information on synonymy, taxonomic ranks, parent-child relations, taxon views (references used to establish relation between taxon usage names and taxon concepts), and taxon (functional) traits.



¿Por qué rOpenSci?



Biodiversity Data Journal 6: e23635
doi: 10.3897/BDJ.6.e23635



R Package

The taxlist package: managing plant taxonomic lists in R

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Abstract

Taxonomic lists are crucial elements of vegetation-plot databases and provide the links between original entries, reference taxon views and different taxon concepts. We introduce the R package *taxlist* in the context of object-oriented modelling for taxonomic lists. This package provides a data structure based on species lists in Turboveg, which is a software broadly used for the storage of vegetation-plot databases and implements functions for importing and handling them prior to statistical analysis. We also present a schema for relational databases, compatible with *taxlist* objects and recommend its use for handling diversity records.

Keywords

ecoinformatics, database, taxon concept, taxon view, Turboveg, vegetable

Zachary Foster



¿POR QUÉ
NO ENVÍAS
TAXLIST AL
ROPENSCI?

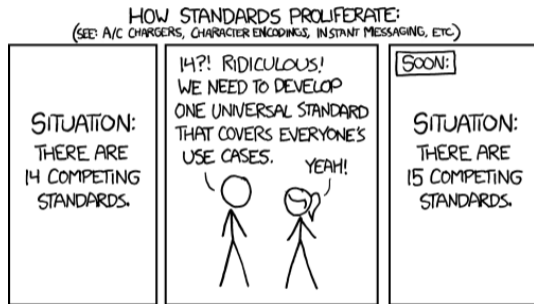
¿R OPEN QUÉ?





¿Por qué rOpenSci?

- ▶ Revisión del código (soy programador aficionado).
- ▶ Promoción de taxlist como potencial estándar.
- ▶ Acceso abierto en **GitHub**.
- ▶ Sigo como cabecilla.



Fuente: xkcd.com



En Retrospectiva

Experiencia:

- ▶ Proceso de revisión abierta.
- ▶ Comunicación positiva.
- ▶ Flexibilidad: sin plazos de entrega.
- ▶ Probabilidad de éxito: el primer paso es el decisivo.



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Nuevas Herramientas:

- ▶ roxygen2
- ▶ Chequeo automático (codecov, covr, testthat).
- ▶ goodpractices
- ▶ **REPRODUCIBILIDAD**



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Nuevos Amigos y Amigas:

9 participants





Advertencias y Recomendaciones

Principio de no redundancia:

Zebulun Arendsee



 arendsee commented on Feb 5, 2018

Just curious, what is the relationship between `taxa` and `kamapu/taxlist` ? The focus of the two packages seems somewhat different. Perhaps we could say `taxa` is focused on *beta taxonomy* and `taxlist` on *alpha taxonomy*. Is there any potential for connecting the two packages (e.g., using `taxlist` inside `taxa` or adding functions to convert between the two systems)?

<https://github.com/ropensci/taxa/issues/130>



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- ▶ Considera un tiempo de consolidación.
- ▶ Informarse acerca de las buenas prácticas.
- ▶ Desarrollo en **GitHub**.
- ▶ Enviar el paquete a **CRAN**.
- ▶ Revisar algún review.



Muchas Gracias