Location data from GBIF

Phylogeny data from rotl in R

Need to classify human use

Body size data from various databases

Remove sub-species and unnamed species

Get centroid data

Average the weight

Combine the trait datasets for synonym matching

Remove species with incomplete data

Trait database

Clean up and prepare data for analyses (create separate columns for genus and species name)

Index database

Run FetchSpTAK() for all species to retrieve citation records

+

Run Allindices() function to calculate indices

Combined database

Combine trait database and index database

Plot indices against different traits and analyse relationships

**Legend**

Database

Plotting data

Tidying data

Index calculation

Merging data

Data collection