

Table of Contents

ordicenter 1

ordicenter

Author: David Zelený

Function which adds group centroids onto ordination diagram. The code heavily borrows from the vegan function `ordispider`, written by Jari Oksanen. Use of `ordicenter` (including the names of its arguments) has the same logic (for details about the arguments and use, consult help to `ordispider` function).

See [here](#) for examples how to use this function.

```
ordicenter <- function (ord, groups, display = "sites", w = weights(ord,
display),
                        show.groups, ...)
{
  weights.default <- function(object, ...) NULL
  pts <- scores(ord, display = display, ...)
  w <- eval(w)
  if (length(w) == 1)
    w <- rep(1, nrow(pts))
  if (is.null(w))
    w <- rep(1, nrow(pts))
  if (!missing(show.groups))
  {
    take <- groups %in% show.groups
    pts <- pts[take, , drop = FALSE]
    groups <- groups[take]
    w <- w[take]
  }
  out <- seq(along = groups)
  inds <- names(table(groups))
  for (is in inds)
  {
    gr <- out[groups == is]
    if (length(gr) > 1)
    {
      X <- pts[gr, ]
      W <- w[gr]
      ave <- apply(X, 2, weighted.mean, w = W)
      vegan::ordiArgAbsorber(ave[1], ave[2], labels = is, FUN = text,
...))
    }
    if (length(gr) == 1)
    {
      X <- pts[gr, ]
      W <- w[gr]
      vegan::ordiArgAbsorber(X[1], X[2], labels = is, FUN = text, ...)
    }
  }
}
```

```
invisible()  
}
```

From:

<https://www.davidzeleny.net/anadat-r/> - **Analysis of community ecology data in R**

Permanent link:

https://www.davidzeleny.net/anadat-r/doku.php/en:customized_functions:ordicenter?rev=1465050796

Last update: **2017/10/11 20:36**