Package: ggcompoplot (via r-universe)

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Type Package

Title Plot Posterior Assignment Values From a 'DAPC' Analysis

Version 0.1.0

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Description The package 'adegenet' calculates posterior population assignments, which can be plotted as a stacked bar chart. This package creates a 'ggplot2' version of this bar chart, facetted by population.

Imports ggplot2, reshape2, grDevices, adegenet

License GPL-3

Encoding UTF-8

LazyData true

RoxygenNote 5.0.1

Repository https://zkamvar.r-universe.dev

RemoteUrl https://github.com/zkamvar/ggcompoplot

RemoteRef HEAD

RemoteSha bcf007d1ffd4d39afd9ac347213d2416163f380c

Contents

char2pal *Creates a named color palette.*

Description

This is useful for defining a color palette that can be used by population factors.

Usage

```
char2pal(x, pal = rainbow)
```

Arguments

x	a vector of identifiers to be used for colors.
pal	a color palette. Default is rainbow

Value

a named character vector of hexadecimal colors.

Examples

```
char2pal(LETTERS)
```

ggcompoplot *Plot posterior values from DAPC analysis in adegenet*

Description

Plot posterior values from DAPC analysis in adegenet

Usage

```
ggcompoplot(da.object, gid, pal = rainbow, cols = 1)
```

Arguments

da.object	an object of class "dapc"
gid	an object of class "genind"
pal	a color palette
cols	the number of columns to display

Value

a ggplot object with each population stacked on top of each other.

Examples

```
library('adegenet')
library('ggcompoplot')
library('ggplot2')
data(microbov)
strata(microbov) <- data.frame(other(microbov))
dapc1 <- dapc(microbov, n.pca=20, n.da=15)
setPop(microbov) <- ~breed
compoplot(dapc1, lab="") # Adegenet compoplot
# Showing per breed
ggcompoplot(dapc1, microbov) + theme(axis.text.x = element_blank())
## Not run:

# 3 columns
ggcompoplot(dapc1, microbov, col = 3) + theme(axis.text.x = element_blank())

# Different color palette
ggcompoplot(dapc1, microbov, col = 3, pal = funky) + theme(axis.text.x = element_blank())

# Per Country
setPop(microbov) <- ~coun
ggcompoplot(dapc1, microbov) + theme(axis.text.x = element_blank())

## End(Not run)
```

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