Package 'Plasticity'

March 6, 2020

Type Package			
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R topics do	ocumented:		
rdpi			
Index			
rdpi	RDPI		
Description			
Quantitative	estimation of phenotypic plasticity: bridging the gap between the evolutionar		
Usage			
rdni(datafra	ame sp trait factor verbose = T)		

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Arguments

dataframe The dataframe that contains the data The bare (unquoted) name of the column whose values will be used as sp independent variable. The function will compare RDPI values among values of this variable. It can be species, provenances, etc. trait The bare (unquoted) name of the column that holds the trait for which to calculate RDPI. Must be numeric factor the bare (unquoted) name of the column that holds the environmental factor for which we will calculate RDPI. By definition, RDPI computes distances between pairs of observations that are at different levels of this factor. verbose defines if we want to get a data frame with all the individual RDPI values calculated. By default is set to 'TRUE'; indicating that we will get the data frame. If set to 'FALSE', we only get a summary table and a bocplot

Value

This function computes RDPI to the environmental factor for each species of the dataset (or any other identifying variable defined in 'sp') Then it makes an ANOVA or t-test of the values of RDPI across species and plots the boxplot

Examples

```
data(ecophysio)
rdpi(ecophysio,sp,SB, Piso, verbose = F)
# if we want to store the values
foo <- rdpi(ecophysio,sp,SB, Piso, verbose = T)</pre>
```

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