dContrast

July 22, 2015

---

dContrast   *Function to help build the contrast matrix*

Description

dContrast is used to help build the contrast matrix

Usage

```
dContrast(level_sorted, contrast.type = c("average", "zero",
"sequential",
"pairwise"))
```

Arguments

level_sorted   a vector of levels (usually sorted) which are contrated to each other

contrast.type   the type of the contrast. It can be one of either 'average' for the contrast against
                 the average of all levels, 'zero' for the contrast against the zero, 'sequential' for
                 the contrast in a sequential order (it requires the levels being sorted properly), or
                 'pairwise' for the pairwise contrast.

Value

a list with following components:

- each: the contrast being specified
- name: the name of the contrast

Note

Examples

```
level_sorted <- c("L1","L2","L3","L4")

# the contrast against the average of all levels
contrasts <- dContrast(level_sorted, contrast.type="average")

# the contrast against the zero
contrasts <- dContrast(level_sorted, contrast.type="zero")

# the contrast in a sequential order
contrasts <- dContrast(level_sorted, contrast.type="sequential")

# the pairwise contrast
contrasts <- dContrast(level_sorted, contrast.type="pairwise")
```