

USZ_multiThreshold-vignette

USZ_multiThreshold

USZ_multiThreshold is an R package to extract and merge data created with the USZ supra-threshold test (STT) for peripheral hearing thresholds (threshold), temporal compression (TC) and frequency selectivity (FS). It contains a function to read in a list of xls(x) files; transposing, cleaning and merging them into one single data frame.

Installation

To install the package from github, devtools is needed.

```
devtools::install_github("pianeau/USZ_multiThreshold", subdir="auidata")
#> Skipping install of 'auidata' from a github remote, the SHA1 (a48cb5f4) has not changed since last i
#> Use `force = TRUE` to force installation
```

Usage

Load the package:

```
library(auidata)
```

Load your dataset:

```
file_list <- list.files(path = "/home/neuschwanderp/Desktop/Docs/R/gitHub/USZ_multiThreshold/auidata/ex

##Call extract_thresholddata function

threshold_data <- extract_thresholddata(file_list)

head(threshold_data)
#> # A tibble: 6 x 11
#>   name      Runs targetFrequency targetDuration Thresholds `Catch trials` `Caught Out` Observations `
#>   <chr>   <dbl>         <dbl>          <dbl>         <dbl>         <dbl>         <dbl>         <dbl>
#> 1 Obsr6v     1         1000          0.25          22             6             0            17
#> 2 Obsr6v     2         2000          0.25           7             2             0            15
#> 3 Obsr6v     3        12000          0.25         75.8             3             0            18
#> 4 Obsr6v     4         8000          0.25         23.5             3             0            14
#> 5 Obsr6v     5          500          0.25          19             1             0            13
#> 6 Obsr6v     6         4000          0.25         10.2            5             1            18
```