

USZmultiThresh-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("pianeu/USZ_multiThreshold")
```

Usage

Load the package:

```
library(USZmultiThreshold)
```

Load your dataset:

```
example_data <- system.file("extdata","exdatathr.xls", package = "USZmultiThreshold")
```

```
##Call extract_thresholddata function
```

```
threshold_data <- extract_thresholddata(example_data)
```

```
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>         <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
```