

Package ‘DelayDiffForR’

September 21, 2016

Type Package

Title What the package does (short line)

Version 1.0

Date 2016-07-19

Author Your Name

Maintainer Your Name <your@email.com>

Description More about what it does (maybe more than one line)

License GPL (>= 2)

Imports Rcpp (>= 0.12.3)

LinkingTo Rcpp

R topics documented:

DelayDiffForR-package	1
FitLW	2

Index	3
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DelayDiffForR-package *What the package does (short line)*

Description

More about what it does (maybe more than one line)

Details

The DESCRIPTION file: This package was not yet installed at build time.

Index: This package was not yet installed at build time.

~~ An overview of how to use the package, including the most important ~~ functions ~~

Author(s)

Your Name

Maintainer: Your Name <your@email.com>

References

~~ Literature or other references for background information ~~

See Also

~~ Optional links to other man pages, e.g. ~~ ~~ [<pkg>](#) ~~

FitLW

A function to fit a length-weight relationship

Description

Fitting is done by minimizing the chisquare $\sum[(\text{obs}-\text{pred})/\text{sd}]^2$

Usage

```
FitLW(length, weight, sd)
```

Examples

```
data(lw)
FitLW(lw[,1], lw[,2], lw[,3])

# customize synthetic dataset
length<-runif(1000,20,80);
a<-0.75; b<-2 ;
weight<-a*length^b;lengthbin<-floor(length);
data<-cbind(as.numeric(names(tapply(weight,lengthbin+0.5,mean))),tapply(weight,lengthbin+0.5,mean),sqrt(tap
FitLW(data[,1], data[,2], data[,3])
```

Index

*Topic **package**

DelayDiffForR-package, [1](#)

<pkg>, [2](#)

DelayDiffForR (DelayDiffForR-package), [1](#)

DelayDiffForR-package, [1](#)

FitLW, [2](#)