Package 'PseudoLog10'

April 25, 2019

Type Package

Title What the Package Does (Title Case)

Version 0.1.0

Author Who wrote it

Maintainer The package maintainer <yourself@somewhere.net>

Description More about what it does (maybe more than one line)
Use four spaces when indenting paragraphs within the Description.

License What license is it under?

Encoding UTF-8

LazyData true

RoxygenNote 6.1.1

R topics documented:

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pseudoLog10	*Return the pseudo logarithm, base 10.*

Description

Return the pseudo logarithm (base 10) of x, which is close to sign(x)*log10(abs(x)) for x such that abs(x) is large and doesn't "blow up" near zero. Useful for transforming wide-range variables that may be negative (like profit/loss).

Usage

```
pseudoLog10(x)
```

Arguments

x   numeric vector

Details

See: http://www.win-vector.com/blog/2012/03/modeling-trick-the-signed-pseudo-logarithm/

NB: This transform has the undesirable property of making most signed distributions appear bimodal around the origin, no matter what the underlying distribution really looks like. The argument x is assumed be numeric and can be a vector.

Value

pseudo logarithm, base 10 of x

Examples

```
pseudoLog10(c(-5, 0, 5))
# should be: [1] -0.7153834  0.0000000  0.7153834
```

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