Package 'storyshapes'

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Title Shape of Stories

Version 0.0.1

Description
A set of functions, palettes and options used for the shape_of_stories project, which can be applied to matrices of word embeddings and vectors of semantic dimensions.

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Encoding UTF-8

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add *Addition*

Description

Add together two numbers

Usage

```
add(x, y)
```

Arguments

x	A number.
y	A number.

Value

A numeric vector.

Examples

```
add(1, 1)
add(10, 1)
```

assign_rownames *Make first column of matrix the rownames and drop*

Description

Make first column of matrix the rownames and drop

Usage

```
assign_rownames(embedding)
```

Arguments

embedding	A dataframe.

Value

The same dataframe with the first row as the row.names

Examples

```
embedding <- assign_rownames(embedding)
```

cos *Cosine Similarity*

Description

Cosine Similarity

Usage

```
cos(x, y)
```

dimension *Calculate semantic dimension from antonym pair*

Description

Calculate semantic dimension from antonym pair

Usage

```
dimension(x, y)
```

dot *Dot product*

Description

Dot product

Usage

```
dot(x, y)
```

dropMT *Drop Empty*

Description

Drop empty rows from a dataframe

Usage

```
dropMT(x)
```

Arguments

x	A dataframe, matrix, or vector.

Value

The same object without any empty rows

exponent *Exponentiate*

Description

Exponentiate a number or vector to a given power

Usage

```
exponent(x, power)
```

Arguments

x	The number or vector to exponentiate
power	The power to exponentiate to

howmuch *Count the number of unique elements in a list or vector*

Description

Count the number of unique elements in a list or vector

Usage

```
howmuch(x)
```

Arguments

x	A list or vector

Value

the number of unique elements in the vector or list

Examples

```
x
```

load_embedding *Load word embedding*

Description

Function for loading a word embedding

Usage

```
load_embedding(path, source = c("Google", "GloVe", "fastText"))
```

Arguments

path	A valid string path to the word embedding file
source	indicating the source of the embedding file either, "Google", "GloVe", or "fastText"

make_dim *Make semantic dimension*

Description

Make semantic dimension

Usage

```
make_dim(embedding, pairs)
```

Arguments

embedding	A word embedding in the form of a matrix
pairs	A set of antonym pairs

Value

A dataframe with the projections

norm_vec *Calculate norm of vector*

Description

Calculate norm of vector

Usage

```
norm_vec(x)
```

standardize *Standardize a variable*

Description

This needs to be changed to keep the rownames

Usage

```
standardize(x)
```

Arguments

x	A variable,

twenty3pal *2023 Color Palette*

Description

A color palette for the year 2023.

Usage

```
twenty3pal
```

Format

An object of class `character` of length 5.

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