Package 'dpu.mobility'

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ns

2 mobility.smooth

Arguments

long vector of longitude coordinates; length equal to 'lat'. lat vector of lattitude coordinates; length equal to 'long'. unit Either "km" or "miles"

Value

Total distance traveled

Author(s)

jeroen

Examples

```
geodistance(c(-74.0064, -118.2430, -74.0064), c(40.7142, 34.0522, 40.7142)) #NY - LA - NY
geodistance(c(-74.0064, -118.2430, -74.0064), c(40.7142, 34.0522, 40.7142), "miles") #NY - I
```

mobility.smooth Smoothing mobility data

Description

A function to "smooth" a vector of mobility classifications, to drop 'outliers'.

Usage

```
mobility.smooth(x, strength = 5)
```

Arguments

the vector with modes. Will always be treated as catagorical (don't use with real Х

numbers).

smoothing parameter. Rougly the number of neighbouring days that should be strength

taken into account while smoothing.

Value

the smoothed vector

Author(s)

jeroen

Examples

```
test <- factor(c("drive", "drive", "walk", "drive", "drive", "drive", "drive", "walk", "drive", "drive
data.frame(original= test, smoothed = mobility.smooth(test));
```

mobility.summarize 3

mobility.summarize Summarize mobility classifications

Description

Returns counts and proportions for a vector of mobility modes.

Usage

```
mobility.summarize(x)
```

Arguments

Х

vector of mobility modes

Value

Data frame with summary statistics

Author(s)

jeroen

Examples

```
test <- factor(c("drive", "drive", "drive", "walk", "drive", "drive", "drive", "drive", "walk", "drive", "drive", "drive", "walk", "drive", "d
```