

Reproducible Homerange Analysis

(Sat Aug 09 15:28:43 2014)

based on the rhr package

This is an automatically generated file with all parameters and settings, in order to enable later replication of the same analysis given the same data set.

Input data

Relocations read from:

This file contained the following column names, which were remapped to:

id	to	id	this is the animal id
Longitude	to	lon	this is the lon
Latitude	to	lat	this is the latitude
timestamp	to	date	this is the date
NA	to	time	this is the time

The spatial bounding box was:

xmin: 142.85 xmax: 142.95 ymin: -38.813 ymax: -38.621

The restricted spatial bounding box was:

xmin: 142.85 xmax: 142.95 ymin: -38.813 ymax: -38.621

The temporal bounding box was:

tmin: 2015-10-20 13:18:18 tmax: 2018-10-20 13:06:54

The restricted temporal bounding box was:

tmin: 2015-10-20 13:18:18 tmax: 2018-10-20 13:06:54

Number of relocations:

Whole dataset 187

Restricted dataset 187

Information about animals

Data for animal: LB_LP0009_1st_trip

Parameter	Value
Number of relocations	108
Number of duplicates	0
Dealing with duplicates	jitter
Number incomplete	0
Final Number of relocations	108

Data for animal: LB_LP0009_2nd_trip

Parameter	Value
Number of relocations	79
Number of duplicates	0
Dealing with duplicates	jitter
Number incomplete	0
Final Number of relocations	79

Site fidelity

Settings

Parameter	Value
No of simulated trajectories	100

Results for animal: LB_LP0009_1st_trip

```
Error in switch(ct, ggplot = ggplotGrob(grobs[[ii.table]]), trellis =  
latticeGrob(grobs[[ii.table]]), : EXPR must be a length 1 vector
```

Results for animal: LB_LP0009_2nd_trip

```
Error in switch(ct, ggplot = ggplotGrob(grobs[[ii.table]]), trellis =  
latticeGrob(grobs[[ii.table]]), : EXPR must be a length 1 vector
```

Time to statistical independence

Settings

Parameter	Value
Interval [sec]	18000
Consecutive observations	1
Alpha	0.25
Number of times above	3

Results for animal: LB_LP0009_1st_trip

Error in valid.viewport(x, y, width, height, just, gp, clip, xscale, yscale, : invalid 'yscale' in viewport

Results for animal: LB_LP0009_2nd_trip

Error in valid.viewport(x, y, width, height, just, gp, clip, xscale, yscale, : invalid 'yscale' in viewport

Minimum convex polygon

Settings

Parameter	Value
Isopleth level	95

Results for animal: LB_LP0009_1st_trip

Error in rhrConvertUnit(tt\$area, config\$config\$inUnit, config\$config\$outUnit): inUnit is not valid. It should be one of: ido,m,km,ft,yd,mi

Results for animal: LB_LP0009_2nd_trip

Error in rhrConvertUnit(tt\$area, config\$config\$inUnit, config\$config\$outUnit): inUnit is not valid. It should be one of: ido,m,km,ft,yd,mi

Kernel density estimation

Settings

Parameter	Value
Resolution [map units]	100
Buffer [map units]	1000
Level	95
Bandwidth method	href
Smoothing method	fixed
Kernel	normal
Contouring method	volume
Rescaling method	none

Results for animal: LB_LP0009_1st_trip

Error in rhrConvertUnit(tt\$area, config\$config\$inUnit, config\$config\$outUnit): inUnit is not valid. It should be one of: ido,m,km,ft,yd,mi

Results for animal: LB_LP0009_2nd_trip

Error in rhrConvertUnit(tt\$area, config\$config\$inUnit, config\$config\$outUnit): inUnit is not valid. It should be one of: ido,m,km,ft,yd,mi

Local convex hull

Settings

Parameter	Value
Type	k
Determine n automatically	FALSE
Value of n	40
Isopleth level	95

Results for animal: LB_LP0009_1st_trip

Error: is.character(projargs) is not TRUE

Results for animal: LB_LP0009_2nd_trip

Error: is.character(projargs) is not TRUE

Asymptote

Settings

Parameter	Value
Number of iterations	10
Minimum number of points	50
Incrementing by	50
Estimator	mcp
Isopleth level	95
Number of consecutive times	5
Tolerance to total area	5
Sampling	sequential

Results for animal: LB_LP0009_1st_trip

Error in gzfile(file, "rb"): cannot open the connection

Results for animal: LB_LP0009_2nd_trip

Not enough relocations

Core area

Settings

Parameter	Value
Resolution	100

Results for animal: LB_LP0009_1st_trip

Error in gzfile(file, "rb"): cannot open the connection

Results for animal: LB_LP0009_2nd_trip

Error in gzfile(file, "rb"): cannot open the connection

R Session Info:

R version 3.1.0 (2014-04-10)

Plattform: x86_64-w64-mingw32(x86-bit)

locale:

LC_COLLATE=English_Australia.1252

LC_CTYPE=English_Australia.1252; LC_MONETARY=English_Australia.1252

LC_NUMERIC=C; LC_TIME=English_Australia.1252

attached base packages:

tools; grid; stats4; stats; graphics; grDevices; utils; datasets
methods; base

other attached packages:

plotKML_0.4-4; trip_1.1-17; rhr_0.04; png_0.1-7
maptools_0.8-30; mapproj_1.2-2; rgdal_0.8-16; plyr_1.8.1; RCurl_1.95-4.1
bitops_1.0-6; stringr_0.6.2; lubridate_1.3.3; KernSmooth_2.23-12
gridExtra_0.8.1; RJSONIO_1.2-0.2; Rook_1.0-9; brew_1.0-6
rgeos_0.3-6; raster_2.2-31; Rcpp_0.11.2; adehabitatHR_0.4.11
adehabitatLT_0.3.16; scatterplot3d_0.3-35; TrackReconstruction_1.1
RColorBrewer_1.0-5; fields_7.1; maps_2.3-7; spam_0.41-0
reshape2_1.4; ggmap_2.3; ggplot2_1.0.0; data.table_1.9.2
diveMove_1.3.9; deldir_0.1-5; CircStats_0.2-4; boot_1.3-11; MASS_7.3-31
adehabitatMA_0.3.8; ade4_1.6-2; sp_1.0-15

loaded via a namespace (and not attached):

abind_1.4-0; aqp_1.7; caTools_1.17; class_7.3-10
classInt_0.1-21; cluster_1.15.2; colorRamps_2.3; colorspace_1.2-4
digest_0.6.4; dismo_0.9-3; e1071_1.6-3; FNN_1.1; foreign_0.8-61
Formula_1.1-2; geosphere_1.3-8; gstat_1.0-19; gtable_0.1.2
Hmisc_3.14-4; intervals_0.14.0; labeling_0.2; lattice_0.20-29
latticeExtra_0.6-26; Matrix_1.1-3; memoise_0.2.1; mgcv_1.7-29
munsell_0.4.2; nlme_3.1-117; pixmap_0.4-11; plotrix_3.5-7; polyclip_1.3-0
proto_0.3-10; quantreg_5.05; reshape_0.8.5
RgoogleMaps_1.2.0.6; rjson_0.2.14; RSAGA_0.93-6; scales_0.2.4; spacetime_1.1-0
SparseM_1.05; spatstat_1.37-0; splines_3.1.0; survival_2.37-7
tensor_1.5; XML_3.98-1.1; xts_0.9-7; zoo_1.7-11