OnAge

OnAge is an R package that implements a likelihood ratio test of differential senescence onset between two groups. Given two groups with measured ages and an individual trait likely to be subjected to senescence (e.g. body mass), OnAge provides an asymptotic p-value for the null hypothesis that senescence starts at the same age in both groups.

Overview

OnAge exports a single function *onset.test()*. This functions takes as input a log likelihood function *ll*, two data frames *data1* and *data2*, and a vector describing over which range of senescence onset the log likelihood should be maximized.

Sources

The stable version is available on CRAN at
https://cran.r-project.org/web/packages/OnAge/
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In a R session, you can install OnAge doing *install.package("OnAge")*.

Documentation

You can find informations about OnAge in the vignette of the package:
https://cran.r-project.org/web/packages/OnAge/vignettes/RoeDeerMass-simulation.pdf

Citation

To cite OnAge in publications, use:

- Frédéric Douhard, Jean-Michel Gaillard, Maryline Pellerin, Laurent Jacob, and Jean-François Lemaître. *The cost of growing large: costs of post-weaning growth on body mass senescence in a wild mammal.* Oikos, 126(9):1329–1338, 2017. ISSN 600-0706. doi: 10.1111/oik.04421. URL
  http://dx.doi.org/10.1111/oik.04421
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