

Biograph functions and the functions they depend on

This annex lists Biograph function together with the functions they call (excluding Base R functions). A distinction is made between main functions and utilities that are included in Biograph.

| Function | depends on | Function | depends on |
|--|---|---|---|
| Agetrans | date.b lospath | Lexispoints | TransitionAB Lexis (Epi) |
| Biograph.long | Parameters lospath reshape | Lexis.points | Lexis.diagram (Epi) ggplot2 check.par date.b TransitionAB |
| Biograph.Lexis | Biograph.long date_convert Lexis (Epi) | MSLT.e MSLT.S NLOG98 | MatrixExp (msm) |
| Biograph.msm | check.par reshape | Occup | check.par Parameters state_age state_time |
| Biograph.mstate | check.par Parameters Biograph.long | OverviewEpisodes OverviewTransitions SamplePath | lospath Parameters statesequences.ind lospath date.b AgeTrans StateSpace transitions Parameters StateSpace |
| Biograph.mvna | Remove.intrastate Biograph.long | | |
| ChangeObservationWindow.e ChangeObservationWindow.t | check.par lospath | | |
| Cumrates | Biograph.mvna mvna (mvna) predict (mvna) lospath Remove.intrastate statesequences.ind Occup Trans RateTable Rates.ac | Parameters check.par plot.cumrates plot.MSLT.S plot.occup | ggplot (ggplot2) melt (reshape) ggplot (ggplot2) Occup reshape |
| GLHS.IllnessDeath | lospath GLHS.trans | | |
| GLHS.Biograph | lospath Parameters | Rates.ac RateTable Remove.intrastate | transitions AgeTrans check.par |
| GLHS.trans | | Sequences Sequences.ind Sequences.ind.0 state_age | AgeTrans stringf |
| Lexis.lines | ggplot2 check.par date.b Biograph.long date_convert Lexis (Epi) rainbow lospath Parameters.check Lexis (Epi) splitLexis (Epi) timeBand (Epi) Lexis.diagram (Epi) Surv (Survival) | StateSpace state_time Trans TransitionAB transitions | Parameters AgeTrans state_age AgeTrans statesequences.ind lospath check.par stringf |
| Lexislines.episodes | | | |
| LexisOccExp | | | |
| Utilities | | | |
| 1. Dates | | 2. Text | |
| Function | depends on | Function | depends on |
| age_as_Date | Date_as_year year_as_Date | check.par | Parameters StateSpace stringf stringf |
| age_as_year | cmc_as_Date Date_as_year cmc_as_year Date_as_year | pos.char pos.charstr string.blank.omit stringf | |
| cmc_as_age | | | |
| cmc_as_Date | | | |
| cmc_as_year | cmc_as_Date Date_as_year | 3. Other | depends on |
| Date_as_age | as.interval (lubridate) as.period (lubridate) as.duration (lubridate) Date_as_year | lospath | |
| Date_as_year | | | |
| Date_as_cmc | | | |
| date_b | lospath date_convert | | |
| date_convert | age_as_year age_as_Date cmc_as_age cmc_a-.Date cmc_as_year Date_as_age Date_as_cmc Date_as_year year_as_age year_as_cmc year_as_Date Date_as_year Date_as_cmc | | |
| year_as_age | | | |
| year_as_cmc | | | |
| year_as_Date | | | |