

Exponential background CML parameter estimate confidence intervals

The demo script `confint.R` starts out by using `optim()` and an explicitly defined log-likelihood function to fit $e^{c_0+k*age}$ to CML incidence for ages >20 using Poisson regression. It then shows that the same results are obtained by either `mle2()` or by `glm()`, but slightly different results are obtained using the least squares functions `nls()` and `lm()`. This script also shows that when ages are centered about a median age of 55, the confidence interval of c_0 (the log-space intercept) is shortened more so than that of k (the log-space slope).