

Why use Pumas?

- Pharmacometrics is a discipline where we need to know what the code we are running is doing, what the mathematics says and we need to validate everything. However, the libraries that we are calling are generally written in other languages and treated as an undebuggable black-box. If you're interested in adding a hook in R's deSolve ODE solvers for some new QsP model, or want to dig in and find out why Stan's Bayesian estimation is missing a peak, you will not find R code. Instead, you will find that the core of these libraries are written in FORTRAN 77/90 and C++, and investigating what they are doing requires using opaque and non-interactive languages.
- Drug development
De-risking investment and expedite time to market.
- Patient Care
US spends \$ 4 Trillion dollars on healthcare, Pumas will take one step closer to enhancing the treatment success.

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