26 February, 2024

Dear Editor,

We are submitting our paper *"The* **nhppp** *package for simulating non-homogeneous Poisson point processes in* `R`*"* for your consideration for peer review and publication to *PLOS ONE*.

The paper describes an `R` package for sampling event times from non-homogeneous Poisson point processes, which are a major tool in statistical simulation (e.g., for survival and frailty model analysis) and the mathematical simulation (e.g., for simulating discrete event models in health care, server/client systems in queue theory, as well as some types of branching processes).

The paper reviews the theory and explains the algorithms used to do the sampling. It also includes a numerical study of the accuracy of the algorithms, a comparison with other `R` packages, and a computational time study.

As described in the manuscript, a preprint of this work was submitted to `arXiv`, the package is on the Comprehensive `R` Archive Network, and its code is in a publicly accessible GitHub repository.

No part of this manuscript is considered for peer review and publication elsewhere.

We hope that the reviewers and you will deem the manuscript worthy of publication.

Regards,

TA Trikalinos