

Dear editor/reviewer,

In this submission we are presenting the "add-on package" DGLMExtPois. This package allows the user to fit the hyper-Poisson regression model for count data. Currently, there is no package on CRAN with this functionality. There was only one program, which could be obtained from its author upon request, and which used a much slower optimization algorithm than the one used in this package. The package has been created following the syntax of a GLM fit so it is possible to use the functions that are usually applied with this kind of models.

Furthermore, the COM-Poisson regression model, which is similar to hyper-Poisson, has been included in the package, so that comparisons between both models can be made. This will allow you to use one model or the other depending on the results obtained and we believe that it can make the hyper-Poisson model an excellent alternative to the COM-Poisson model.

Best regards,

Francisco Martínez