Dear Editor-in-Chief Dr. Domenico Marinucci

I am writing to submit our manuscript entitled “A modified closed-form maximum likelihood estimator” for consideration by the Electronic Journal of Statistics.

In the current manuscript, we proposed a modification in the maximum likelihood estimator that allows us to obtain the estimators in closed-form expressions if some conditions are fulfilled. Under mild conditions that are discussed in detail, the estimator is invariant under one-to-one transformations, consistent, and has an asymptotic normal distribution. The proposed approach is illustrated on the Gamma, Nakagami, and Beta distributions which do not have closed-form expressions under the standard maximum likelihood estimator.

This manuscript describes original work and is not under consideration by any other journal. All authors approved the manuscript and this submission

Thank you for receiving our manuscript and considering it for review. We appreciate your time and look forward to your response.

Sincerely,

Dr Pedro Luiz Ramos