Center on Population Dynamics Faculty of Business and Social Sciences

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October 17, 2018

Dear Editor-in-Chief Boualem Djehiche,

We are pleased to submit an original research article entitled "The Maximum Entropy

Mortality Model - Forecasting mortality using statistical moments" by Marius D. Pascariu,

Adam Lenart and Vladimir Canudas-Romo to be considered for publication in the Scandinavian

Actuarial Journal.

In this article, we present an innovative method to forecast human mortality given the

information offered by the age-at-death distribution and by making use of statistical moments.

By employing the knowledge about the shape measures of a density function and how the level

of mortality at a certain age is fully dependent on the levels of mortality at all the other ages,

we find that one can obtain more accurate forecasts compared to the methods based on hazard

or mortality rates extrapolation.

We have no conflicts of interest to disclose

This article has not been published and is not under consideration for publication with other

academic journals.

Thank you for your consideration of this manuscript.

Sincerely,

Marius D. Pascariu (on behalf of all the authors)

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