UNIVERSITY OF SASKATCHEWAN
Global Institute for
Water Security
USASK.CA/WATER

November 25, 2019

Dear R Journal Editors,

Re: Submission of article on rmdcev package

I am submitting the manuscript entitled "Multiple Discrete-Continuous Extreme Value Model Estimation and Simulation in R: The rmdcev Package" for publication in the R Journal. Multiple discrete-continuous extreme value (MDCEV) models are use in transportation, marketing, economics and related disciplines to model behavior in contexts where individuals face decisions regarding which alternative to choose as well as how much of each alternative to consume. Thus, these models generalize the commonly implemented discrete choice models such as multinomial logit.

However, one limitation to the adoption of MDCEV models is that estimating and simulating these models is challenging and there is no paper that explains these models alongside code implementation details and examples. Furthermore, there is no currently available R package that can estimate welfare implications of policies affecting behavior using MDCEV models.

The purpose of this article is to present a unified account for MDCEV modelling and introduce the rmdcev package to R users so that they can estimate these models as well as simulate behavior and calculate welfare measures. I hope that the publication of this paper in the R Journal will make MDCEV modeling available to a wider audience.

I look forward to your comments on this paper.

Sincerely,

Patrick Lloyd-Smith
Assistant Professor
Department of Agricultural and Resource Economics
Global Institute for Water Security
University of Saskatchewan
101-121 Research Drive
Saskatoon, SK S7N 1K2