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April 26, 2019

Dear Dr. Heber:

I am excited to submit a research article for your consideration for publication in *PLOS One*. In this manuscript, we describe a software package for the R computing language for cleaning and analyzing continuous glucose monitoring (CGM) data. Increasingly, CGMs are considered an essential part of diabetes care, and metrics based on CGM data are being used as outcomes in clinical trials and other research. However, the various commercial systems that are available for summarizing CGM data report the results in non-standardized ways, and, to our knowledge, there is no free, open-source approach to CGM data management and analysis available. In this manuscript, we review common summary measures of glycemia (which are all calculated by our software) describe the development and use of the R package, and compare results obtained using our software to those from commercial software systems.

We hope that this manuscript will assist others in their continuous glucose monitor research and improve collaboration by contributing to a standardized methodology between research groups, allowing a better understanding of free-living glucose patterns in humans.

We would like to suggest one of the following Academic Editors to handle this manuscript: Rosa Corcoy, MD, PhD; Andreas Beyerlein, PhD; Kathleen Bethin, MD, PhD; Antonio Palazón-Bru, PhD.

Some of this work has been presented at the 2019 Advanced Technologies & Treatments for Diabetes (ATTD) conference, but this manuscript has not been published and is not under consideration for publication elsewhere, and we have not had any prior contact with PLOS regarding the manuscript.

Thank you for your consideration.

Sincerely,



Laura Pyle, PhD

Associate Professor

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Department of Biostatistics and Informatics, Colorado School of Public Health