**Associations between physical activity and subcategories of mental health: A propensity score analysis among a global sample of 341,956 adults**

Christopher Huong, B.S. & Denver M. Y. Brown, Ph.D.

Department of Psychology, The University of Texas at San Antonio

**Author Note**

Christopher Huong: [christopher.huong@utsa.edu](mailto:christopher.huong@utsa.edu),  [0009-0008-6986-7784](https://orcid.org/0009-0008-6986-7784)

Denver Brown: [denver.brown@utsa.edu](mailto:denver.brown@utsa.edu),  [0000-0003-4078-8253](https://orcid.org/0000-0003-4078-8253)

Correspondence concerning this article should be addressed to Christopher Huong, Department of Psychology, One UTSA Circle, Main Building 2.306, San Antonio, TX 78249, USA. E-mail: [christopher.huong@utsa.edu](mailto:christopher.huong@utsa.edu) We have no conflicts of interest to disclose.

CRediT Author Statement: **Christopher Huong**: formal analysis, writing – original draft, methodology (equal). **Denver Brown**: conceptualization, methodology (equal), writing – review and editing

*Keywords*: mental health, well-being, physical activity, exercise, machine learning