

 29^{th} October, 2023 **Bryce Ronald William Polley** | **PhD Candidate** Queensland University of Technology School of Mathematical Sciences

Address: Level 8 Y Block, 2 George Street, Brisbane, Queensland, Australia, 4000

Phone: +61 400 310 105

Email: bryce.polley@awri.com.au

Editors,Journal of Economic Geography

Dear Editor,

Submission of Manuscript for Consideration by Journal of Economic Geography

We wish to submit a new manuscript entitled "An analysis of underlying relationships between factors related to operating costs and revenue in Australian vineyards" for your consideration by the Journal of Economic Geography.

In this manuscript we explore the contributing factors to Australian vineyards' operational costs and revenue. We provide insights into the interrelatedness of the factors contributing to operational cost and revenue. We further explore the relationships between these factors and regional differences; showing how different regional effects impact on vineyard operations and outcomes. We use a novel, extensive nationwide data from Australia, collected over a decade by Sustainable Winegrowing Australia. We construct and analyse several models of the multifaceted, multi-resource nature of vineyard management. We believe that this manuscript is appropriate for publication by the Journal of Economic Geography as it demonstrates the regional differences in operational costs and revenue of Australian vineyards. We further link these outcomes to contributing factors to rank the relative importance of different vineyard activities and resource use; illustrating the economic outcomes of Australian vineyards and linking it to different regional factors. Thank you for your consideration of this manuscript.

Bryce X.W. Bolley

Bryce Polley (corresponding author) on behalf of all coauthors: Kate Helmsted, Mardi Longbottom, Madeline Mitchell, Kerrie Mengersen

Corresponding Author, Queensland University of Technology