

# Joseph (Iosefa) Emile Honour Percival

Curriculum Vitae updated December 2020

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EDUCATION	Kyoto University Graduate School of Agriculture, Kyoto, Japan PhD in Ecology (Expected 2023) Kyoto University Graduate School of Global Environmental Studies, Kyoto, Japan Masters in Environmental Management Thesis Title: <i>The importance of seascape structure on fish communities in the mangroves of Samoa</i> Brandeis University, Waltham, Massachusetts, USA B.A. in Physics, Economics, and Environmental Studies (Highest Honours, Cum Laude)	
EXPERIENCE	2018 - Current	Software Engineer (GIS developer), Georepublic
	2020 - 2021	Researcher (remote sensing and geospatial data analyst), Kyoto University
	2016 - 2018	Research Assistant (geospatial data analysis), Laboratory of Regional Planning, Kyoto University
	2016 - 2017	Field Scientist and Project Lead, Conservation International, Samoa
	2012 - 2016	Teaching Assistant, Information Processing for Environmental Management, Kyoto University
	2012 - 2015	Teaching Assistant, courses in Environmental Science and GIS Theory and Applications, Brandeis University
	2012 - 2015	Student Manager and Help Desk Technician, Library and Technology Services, Brandeis University
	Summer 2013	Research Technology Specialist, Library and Technology Services Technology, Brandeis University
PRESENTATIONS, PROCEEDINGS, AND PAPERS	Percival J., Tsutsumida N., Liversage K., and Lavergne E. Variation in seascape structure explains differences in mangrove fish assemblages at multiple spatial scales. <i>Ecology and Evolution</i> , In-Review. Percival J., Kitajima K., Yamada T., and Sato H. Mapping 20 years of dry forest loss in north-western Madagascar, Oral Presentation at the Annual Meeting of the Japan Society of Tropical Ecology, November 19, 2020. Hiroshima, Japan Tsutsumida N., Percival J., Murakami D., Yoshida T., and Nakaya T. Interactive mapping for geographically weighted correlation in big census data, Poster Presentation at the International Cartographic Conference, July 15-20, 2019. Tokyo, Japan Percival J. and Nasarow N. sensorAtlas: An open-source python implementatin of OGC SensorThings API and management tool for real-time monitoring of IoT devices, Poster Presentation at FOSS4G Kansai, October 13-14, 2019. Kobe, Japan Percival J., Tsutsumida N., Murakami D., Yoshida T., and Nakaya T. Exploring spatial scale by interactive map for geographically weighted correlation, Oral Presentation at the Annual Meeting of the Geographic Information Systems Conference, October 19-20, 2019. Tokushima, Japan	

Percival J. Fishing for Routes: exploring the application of pgRouting to model the navigation and movements of fishes in highly heterogeneous marine environments, Oral Presentation at FOSS4G Oceania, November 12-15, 2019. Wellington, New Zealand

Tsutsumida N. and Percival J. Exploring spatially explicit relations amongst land surface phenology and geographic data at a global scale by geographically weighted approaches, Oral Presentation at the Statistics in Ecology and Environmental Monitoring Conference, December 6-8, 2017. Queenstown, New Zealand

Percival J., Liversage K., Tsutsumida N., Stirnemann R., van Dijken S. Lavernge E. The importance of habitat connectivity and structure on fish biodiversity within Samoan mangroves. Oral Presentation at the Indo-Pacific Fish Conference, October 2-6, 2017. Tahiti, French Polynesia

Tsutsumida N., Rodriguez-Veiga P., Harris P., Comber A., Percival J. Spatial considerations of accuracy for satellite-based biomass mapping. Oral Presentation at the Remote Sensing and Photogrammetry Society, September 5-8, 2017. London, United Kingdom

Percival J. and Tsutsumida N. Mapping of mangrove ecosystems using a UAV with a simple RGB sensor. Oral Presentation at the Remote Sensing and Photogrammetry Society, September 5-8, 2017. London, United Kingdom

Percival J. and Tsutsumida N. 2017. Geographically weighted partial correlation for spatial analysis. *GI\_forum*. 1. DOI: 10.1553/giscience2017\_01\_s36

Percival J. and Tsutsumida N. Geographically weighted partial correlation for spatial analysis, Oral Presentation at GI\_Forum, July 4-7, 2017. Salzburg, Austria.

Percival J. and Tsutsumida N. Spatial correlation for phenological responses to climate, Poster Session at JpGU-AGU Joint Meeting, May 20-25, 2017. Chiba, Japan.

堤田成政, Percival Joseph (2016) 月平均気温・降水量の空間相関分布とその季節性, CSIS DAYS 2016 研究アブストラクト集, p.6.

#### AWARDS AND FELLOWSHIPS

2016 CoHHO Fellow, Kyoto University  
 2015 Jacob B. Goldston Family Award for Environmental Excellence  
 2013 Giumente Academic Achievement Award, Brandeis University  
 2013 Jerome A. Schiff Undergraduate Research Fellowship, Brandeis University  
 2013 Karpf and Hahn Peace Award, Brandeis University

#### SKILLS

Python, R, C++, Git, QGIS, Google Earth Engine, Linux, Surfing, Boardgames,  $\LaTeX$

#### REFERENCE

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