

CV. Ohkubo Yusaku

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Personal Information:

Degree: Ph.D. (2019. Sep.)

Nationality: Japan

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ResearchGate: https://www.researchgate.net/profile/Yusaku_Ohkubo

Employment:

2020. May.-: Specially Appointed Researcher, Center for Data Assimilation Research and Applications, Joint Support Center for Data Science Research, Tokyo.

Concurrently Specially Appointed Researcher, Institute of Statistical Mathematics, Tokyo.

URL: https://www.ism.ac.jp/index_e.html

2019. Nov.- 2020 Apr.: Post-Doctoral Researcher, Center for Human Nature, Artificial Intelligence and Neuroscience, Hokkaido University, Sapporo.

Outside Advisory of Data Analysis for Chowagiken Co., Ltd., Sapporo, Hokkaido.

2019. Feb.-2020. Oct. Researcher, Chowagiken Co., Ltd., Sapporo.

Educations:

2019. Sep: Ph.D., Graduate School of Environmental Science, Hokkaido University, Japan.

Topics: developing a novel phylogenetic inference methods and its philosophical foundation.

2016. Mar: MA, Graduate school of Agriculture of Hokkaido University, Sapporo, Japan.

Topics: animal ecology and ethology, decision making of mate choice in insects.

2014. Mar, BA, Agricultural Science, Department of Agriculture of Hokkaido University, Japan.

2010-2012: Liberal Arts course of Hosei University, Japan.

• PhD. dissertation

1. On the phylogenetic comparative analysis of directional evolution by Approximate Bayesian Computation, (2019).

• Peer-Reviewed Papers (1st and co-first author)

“Revisiting the two predominant statistical problems: the stopping-rule problem and the catch-all hypothesis problemz, *Annals of the Japan Association for Philosophy of Science*, 30, 1-19, (2021).

"On the "Expectation" of Bayesian Methods: How the Prior Is Chosen in "Objective" Manner in Practices of Statistics.", *Linkage: Studies in Applied Philosophy of Science*, 1, 9-14, (2021).

"The benefits of grouping as a main driver of social evolution in a halictine bee." *Science Advances*, 4.10: e1700741, (2018)

"Activity of invasive slug *Limax maximus* in relation to climate conditions based on citizen's observations and novel regularization based statistical approaches." *Science of the Total Environment*, 637, 1061-1068, (2018).

"Cricket mate selection as a spatial discounting phenomenon without learning." *Journal of Ethology*, 36.3, 229-233, (2018).

• Oral Presentations

Y. Ohkubo. Revisiting the two major statistical problems, stopping-rule and the catch-all hypothesis, from the viewpoint of neo-Bayesian statistics. In: Symposium "Toward the Reconstruction of Linkage between Bayesian Philosophy and Statistics", **The 16th Congress of Logic, Methodology and Philosophy of Science and Technology**, Aug. 10, 2019, Prague, Czech Republic.

• Grants

1. JSPS KAKENHI 21K15170 (2021-2026: ¥3,500,000)
Project: Foundation of the temporal data causal analysis in ecology.
2. Grant for the Groundbreaking Young Researchers, Suntory Foundation (2019: ¥1,000,000)
Project: "What is the explanations of "eXplaniable Artificial Intelligence"
3. Hokkaido Univ. Dispatching Program for *UArctic Congress* (2018: ¥150,000)
International conference for inter-field science communication.
4. Stipend of Minnesota Center for Philosophy of Science. (\$1,500; 2018)
Summer Institute by Alan Love et al. "From Biological Practice to Scientific Metaphysics"
5. Sapporo Alumni for Students of Agriculture (¥50 万; 2016)