Zhiqiang Liao

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Aalto University School of Business
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CONTACT

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EDUCATION

Aalto University 2021 - present
Doctoral Candidate in Management Science
School of Business
Supervisors: Timo Kuosmanen; Pekka Malo

Sichuan University 2018 - 2021
M.S. in Industrial Engineering
School of Business
Supervisor: Huchang Liao

PUBLISHED WORK

Zhiqiang Liao, Sheng Dai, & Timo Kuosmanen (2023). Convex support vector regression. European Journal of Operational Research (In press).

Zhiqiang Liao, Huchang Liao, & Xinli Zhang (2022). A contextual Choquet integral-based preference learning model considering both criteria interactions and the compromise effects of decision-makers. *Expert Systems with Applications*, 118977.

Zhiqiang Liao, Huchang Liao & Benjamin Lev (2021). Compromise solutions for stochastic multicriteria acceptability analysis with uncertain preferences and nonmonotonic criteria. *International Transactions in Operational Research*, 29(6), 3737–3757.

Zhiqiang Liao, Huchang Liao, Ming Tang, et al (2020). A Choquet integral-based hesitant fuzzy gained and lost dominance score method for multi-criteria group decision making considering the risk preferences of experts: Case study of higher business education evaluation. *Information Fusion*, 62, 121-133.

Zhiqiang Liao, Huchang Liao, Xunjie Gou, et al (2019). A hesitant fuzzy linguistic Choquetintegral-based MULTI-MOORA method for multiple criteria decision making and its application in talent selection. *Economic Computation and Economic Cybernetics Studies and Research*, 53(2), 113-130.

WORKING PAPERS

Zhiqiang Liao, Sheng Dai, Eunji Lim, & Timo Kuosmanen. Overfitting reduction in convex regression. *In preparation.*

MENTORING

Thesis advisor

1. Kalle Laaksonen. Aalto master student in information and service management. (05.2022 - 08.2022)

Thesis examiner

1. Hanna Rae. Aalto master student in information and service management. (11.2021)

TEACHING

Aalto University
30E03500: *Data science for business II*. TA. Fall 2023

Aalto University
30C00200: *Econometrics*. TA. Spring 2022

Aalto University
ISM-E5001: *Master's Thesis Seminar*. TA. 2022-2024

GRANTS

Jenny and Antti Wihuri Foundation (€15,000)	Oct 2023
HSE Support Foundation (€13,000)	May 2023
Jenny and Antti Wihuri Foundation (€12,000)	Oct 2022
Liikesivistysrahasto (€12,000)	Sept 2021

HONORS

Sichuan University First Class Scholarship 2018

INVITED TALKS

Informs Annual Meeting, Phoenix, 2023. Session chair of "The Intersection of Optimization and Learning".

FORS50 Conference, Jyväskylä, Finland, 2023. Combine optimization and machine learning: a convex regression method.

EURO conference, Espoo, Finland, 2022. Convex support vector regression.

ICMSEM Conference, St. Catharines, Canada, 2019. A Choquet Integral-Based GLDS Method.