Mohammad Ghaderi

CONTACT
INFORMATION

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ACADEMIC
APPOINTMENTS

Pompeu Fabra University, Department of Economics and Business
Assistant Professor (Tenure-track)   Since July 2019
visiting Assistant Professor   July 2017 - July 2019

OTHER
AFFILIATIONS

Barcelona School of Economics   Since July 2019
UPF Barcelona School of Management   Since July 2019

EDUCATION

Ph.D. in Management Sciences   September 2013 - June 2017
ESADE Business School, Barcelona, Spain
    ESADE Best Ph.D. Thesis Prize
    EDAMBA 2018 Doctoral Thesis Award
    Finalist (top three) MCDM Society Doctoral Dissertation Award

Master of Research in Management Sciences   September 2012 - July 2013
ESADE Business School, Barcelona, Spain

M.Sc. in Industrial Engineering   September 2010 - August 2012
Sharif University of Technology, Tehran, Iran

B.Sc. in Mechanical Engineering   September 2005 - August 2010
Sharif University of Technology, Tehran, Iran

B.Sc. in Industrial Engineering (Dual Major)   September 2005 - August 2010
Sharif University of Technology, Tehran, Iran

PUBLICATIONS

[1] **Ghaderi, M.**, (Forthcoming), *Public Health Interventions in the Face of Pandemics: Network Structure, Social Distancing, and Heterogeneity*, **European Journal of Operational Research** (ABS 4, SJR Q1, IF: 5.334)

[2] Bagherzadeh, M., **Ghaderi, M.**, Fernandez, A.S., (Forthcoming), *Coopetition for innovation - the more, the better? An empirical study based on preference disaggregation analysis*, **European Journal of Operational Research** (ABS 4, SJR Q1, IF: 5.334)

[3] **Ghaderi, M.**, Kadziński, M., (2021), *Incorporating Uncovered Structural Patterns in Value Functions Construction*, **Omega, 99** (JCR Rank 3/83 in OR & Management Science, SJR Q1, IF: 7.084)

[4] Kadziński, M., **Ghaderi, M.**, Dabrowski, M, (2020), *Contingent Preference Disaggregation Model for Multiple Criteria Sorting Problem*, **European Journal of Operational Research, 281(2), 369-387.** (ABS 4, SJR Q1, IF: 5.334)

[5] **Ghaderi, M.**, Ruiz, F., J., Agell, N. (2017), *A Linear Programming Approach for Learning Non-Monotonic Additive Value Functions in Multiple Criteria Decision Aiding*, **European Journal of Operational Research**, 259 (3), 1073-1084. (ABS 4, SJR Q1, IF: 5.334)

[6] Kadziński, M., **Ghaderi, M.**, Wasilowski, J., Agell, N. (2017), *Expressiveness and Robustness Measures for the Evaluation of an Additive Value Function in Multiple Criteria Preference Disag-*

gregation Methods: an Experimental Analysis, **Computers & Operations Research**, 87, 146-164. (ABS 3, SJR Q1, IF: 4.008)

[7] **Ghaderi, M.**, Ruiz, F., J., Agell, N. (2015), *Understanding the Impact of Brand Colour on Brand Image: a Preference Disaggregation Approach*, **Pattern Recognition Letters**, 67 (1), 11-18. (ABS 3, SJR Q1, IF: 3.756)

[8] **Ghaderi, M.**, Ruiz, F.,J., Agell, N. (2014), *Understanding Color Trends by Means of Non-Monotone Utility Functions*, in *Artificial Intelligence Research and Development: Recent Advances and Applications*, 269, 107-115.

WORKING
PAPERS

[1] **Ghaderi, M.**, Robust Discrete Choice with Limited Data

[1] **Ghaderi, M.**, Donkers, B., A Model of Context-Dependent Preferences

[2] **Ghaderi, M.**, Preference Disaggregation: a Probabilistic View

[3] **Ghaderi, M.,** Kadziński, M., Contingent Binary Choice Model: Inconsistency and Salience

[4] **Ghaderi, M.**, Sequential Inference Procedure for Robust Discrete Choice Analysis

[5] **Ghaderi, M.**, Costa, A. S., Rui Figueira, J., Multiple Criteria Nominal Classification Problem

TEACHING
EXPERIENCE

Graduate Teaching (Pompeu Fabra University)   **Since 2017**
- Professor for **Marketing Analytics** (MSc Management), Spring 2018 &19 & 20 &21 &22
- Professor for **Choice Analytics** section of the PhD course *Business Analytics for Marketing and Operations*, Winter 2020
- Professor for **Marketing Analytics & Big Data** (MSc Marketing), Fall 2020 &21

Graduate Teaching (Elsewhere)
- Professor for **Thinking with Data** (Executive program in Business Analytics), ESADE Business School, Spring 2021 &Fall 2021

Undergraduate Teaching (Pompeu Fabra University)
- Professor for **International Marketing Decisions** (3rd year undergraduate core class), Winter 2018 & 19 & 20 & 21 &22

ESADE Business School   **2013 - 2017**
- Co-Professor for **Marketing Research** (MBA), 30 students, shared responsibility for lectures (taught 2 sessions out of 8), group projects, homework assignments, midterm and final exams, with Dr. Jatinder Singh, Fall 2013 & 14
- Co-Professor for **Applied Quantitative Methods** (MBA), two sections, each of up to 30 students, shared responsibility for developing the course, lectures (taught 2 sessions out of 8), homework assignments, and final exam, with Dr. Jatinder Singh, Fall 2014
- Co-Professor for **Research, Analysis and Metrics** (MSc Marketing), two sections, each of up to 50 students, shared responsibility for lectures (teaching 3, in the last year 4, sessions out of 8), group projects, homework assignments, final exam, with Dr. Jatinder Singh, Fall 2013 & 14 & 15
- Co-Professor for **Writing MSc Thesis** (general MSc program course), with prof. Joan Manuel Batista (Course Co-ordinator), Spring 2014
- Co-Professor for **Mathematics** (1st year undergraduate), taught weekly sessions (12 weeks), for three sections each of 30 students, with prof. Nuria Agell and Xari Rovira, Fall 2015 & 16
- Co-Professor for **Research Methods** (3rd year undergraduate), taught 4 sessions on Statistical

methods (Regression, Factor Analysis, and Clustering) and their implementation in SPSS, with prof. Joan Manuel Batista and Joan Sureda, Spring 2013 & 14
- Teaching Assistant for **Marketing Analytics** (<u>MSc Marketing</u>), with Dr. Skander Esseghaier, Spring 2017
- Teaching Assistant for **Operations** (<u>MBA</u>), with Dr. Ignasi Puig de Dou, Spring 2017
- Teaching Assistant for **Quantitative Methods in Management Sciences** (<u>Master of Research</u>), with prof. Joan Manuel Batista, Fall 2013

Sharif University of Technology   2009 - 2011
- Teaching Assistant for **Operations Research** (<u>BSc</u>), with prof. Kourosh Eshghi, 2009 & 10 & 11

CONFERENCE PRESENTATIONS

Ghaderi, M., Preference disaggregation: a probabilistic view
- 31st European Conference on Operational Research (**EURO**), July 11-15, 2021, Athens, Greece
- 92nd Meeting of EURO Working Group on Multiple Criteria Decision Aiding (**EWG-MCDA 92**), September 16-18, 2021, Cracow, Poland

Ghaderi, M., Kadziński, M., Incorporating group-level uncovered structural patterns in estimation of individual-level preferences,
- 48th **EMAC** (European Marketing Academy) Annual Conference, May 28-31, 2019, Hamburg, Germany
- 2019 INFORMS **Marketing Science** Conference, June 20-22, Rome, Italy

Ghaderi, M., Kadziński, M., Agell, N., Better Together: Improved Predictive Accuracy of Preference Disaggregation by Discovering Structural Similarities in Preference Models,
- 29th European Conference on Operational Research (**EURO**), July 8-11, 2018, Valencia, Spain
- 89th Meeting of EURO Working Group on Multiple Criteria Decision Aiding (**EWG-MCDA 89**), April 11-13, 2019, Trento, Italy

Ghaderi, M., Agell, N., Colors and Brand Personality, 85th Meeting of EURO Working Group on Multiple Criteria Decision Aiding (**EWG-MCDA 85**), April 20-22, 2017, Padova, Italy

Ghaderi, M., Ruiz, F.J, Agell, N., Kadzinski, M., Disaggregation Approach for Understanding Heterogeneity in Consumers Preferences, 28th European Conference on Operational Research (**EURO**), July 3-6, 2016, Poznan, Poland

Ghaderi, M., Ruiz, F.J, Agell, N., Disaggregation Approach for Recognizing Diversity in Collective Preferences, 82nd Meeting of EURO Working Group on Multiple Criteria Decision Aiding (**EWG-MCDA 82**), September 24-26, 2015, Odense, Denmark

Ghaderi, M., Ruiz, F.J, Agell, N., Learning Non-Monotonic Value Functions: Restricting Variation in Derivatives, 23rd International Conference on Multiple Criteria Decision Making (**MCDM 23**), August 2-7, 2015, Hamburg, Germany

Ghaderi, M., Agell, N., Ruiz, F.J, Modeling Consumers preferences Heterogeneity: A Novel Approach, 1st International Conference on Decision Support System Technology: Big Data Analytics For Decision Making (**ICDSST**), May 27-29, 2015, Belgrade, Serbia

Ghaderi, M., Ruiz, F.J, Agell, N., On the Strategies of Criteria Discretization and Subintervals Design in UTA-Like methods, 81st Meeting of EURO Working Group on Multiple Criteria Decision Aiding (**EWG-MCDA 81**), March 26-28, 2015, Annecy, France

Ghaderi, M., Ruiz, F.J, Agell, N., Learning Non-Monotonic Preferences, a New Algorithm, 20th Conference of the International Federation of Operational Research Societies (**IFORS**), July 13-18, 2014, Barcelona, Spain

Ghaderi, M., Agell, N., Ruiz, F.J., Sanchez, M., Multi-Criteria Preference Disaggregation Analysis: A New Algorithm and an Application to Color Preferences, 22nd International Conference on Multiple Criteria Decision Making (**MCDM 22**), June 17-22, 2013, Malaga, Spain

CONFERENCE ATTENDANCE (NO PRESENTATION)

EURO Working Group on Multiple Criteria Decision Aiding (**EWG-MCDA**) Meetings: 91 (Zoom), 90 (Brest, France), 88 (Lisbon, Portugal), 87 (Delft, Netherlands)

GRANTS & PROJECT PARTICIPATION	- Barcelona GSE Seed Grant (SG2021-13), funded by The State Research Agency (AEI) through the Severo Ochoa Programme for Centres of Excellence in R&D (CEX2019-000915-S) - Waste recycling for planetary wellbeing through Planetary Wellbeing initiative - Severo Ochoa Programme for Centres of Excellence in R&D (SEV-2015-0563) - Generalitat de Catalunya with the ESF (FI grants: FI-DGR2014, 2015FI_B1-00105, 2016FI_B2-00058) - SENSORIAL Research Project (TIN2010-20966-C02-01, 02) funded by the Spanish Ministry of Science and Information Technology - Mathematical structure for evaluating linguistics in decision making processes: advanced solutions for tourism management in smart cities (TIN2016-80049-C2-1-R), Funded by the Spanish Ministry of Economy and Competitiveness

OTHER ACTIVITIES

Graduate Thesis Supervision

Qiuping Yang, **MSc** thesis title: Profit model, profit changes, and driving factors of webcast platforms – an exploratory case analysis, Spring 2020

Laura Braggion, **MSc** thesis title: Understanding diversity in consumers' interests in online media markets, Spring 2016.

Conferences & Seminars Organization

Coordinator of the **Operations and Marketing Seminar Series** at Pompeu Fabra University, 2020-2021

Organizing Committee of the 83rd Meeting of EURO Working Group on Multiple Criteria Decision Aiding **(EWG-MCDA 83)**, March 31-April 2, 2016, Barcelona, Spain

Ad Hoc Reviewer
- European Journal of Operational Research (**Outstanding Reviewer Award**)
- Omega
- Journal of Mathematical Economics
- Annals of Operations Research
- Artificial Intelligence Review
- Decisions in Economics and Finance
- Journal of Operational Research Society
- Pattern Recognition Letters
- Advances in Operations Research
- Journal of Air Transport Management
- EDAMBA 2021 Doctoral Thesis Competition

Invited Talks
- *A Model of Context-Dependent Preferences*, Erasmus School of Economics, December 2021, Rotterdam, Netherlands
- *Choices, Preferences, and Decisions*, as part of the graduate course *Advanced Decision Making Methodologies*, Polytechnic University of Catalonia (UPC) and Universitat Rovira i Virgili (URV), Spring 2020, Barcelona, Spain
- *Preference Disaggregation: Towards an Integrated Framework*, 25th International Conference on Multiple Criteria Decision Making (MCDM), June 16-21, Istanbul, Turkey
- *Marketing in the Age of Data*, European Law Students' Association (ELSA) summer school on Creative Law and Business, July 23-30, 2017, Poznan, Poland

HONORS AND AWARDS	2018 PhD Thesis Competition Prize by the European Doctoral Association in Management and Business Administration (EDAMBA), September 2018, University of Cologne, Germany
	Best PhD Thesis Award - 2017 winner of the Extraordinary Doctorate Dissertation Award from Universitat Ramon Llull
	Finalist (top 3) for the 2019 MCDM Doctoral Dissertation Award (International Society on Multiple Criteria Decision Making)
	Funded with the competitive pre-doctoral grant (FI-DGR2014) by the Catalan Government, 2013
	Doctoral scholarship grant by ESADE Business School, 2013
	Student Talent Scholarship by ESADE Business School, 2012
	Exempted from the MSc Entrance Exam in Iran as Exceptionally Talented Student, 2009
	Ranked **3rd among more than 420,000** participants in the Iranian National University Entrance Exam, 2005
	Outstanding Reviewer Award by the European Journal of Operational Research (EJOR), 2017

RESEARCH VISITS	• Ecole Polytechnique Fédérale de Lausanne (EPFL) Transportation and Mobility Laboratory Host: prof. Michel Bierlaire	May- July 2022
	• Erasmus School of Economics Erasmus Choice Modelling Centre Host: prof. Bas Donkers	November- December 2021
	• Laboratory of Intelligent Decision Support Systems, Institute of Computing Science Host: prof. Roman Słowiński	May - July 2016 & February 2017

COURSEWORK	• **Discrete Choice Analysis**: Predicting Individual Behavior and Market Demand, taught by **Moshe Ben-Akiva (MIT)** and **Michel Bierlaire (EPFL)**, February 2020, Lausanne, Switzerland.
	• 12th **MCDA/M** Summer School, July 18-29, 2016, Recife, Brazil.
	• 1st international Winter School on **Big Data**, January 26-30, 2015, Tarragona, Spain.
	• International MCDA spring school on **Multiple criteria decision making: a key for sustainability**, May 26-31, 2014, Perugia, Italy.
	• Selected Courses at **ESADE Business School:** Quantitative Methods in Management Research; Research Design in Quantitative Methods; Empirical Research for Social Sciences; Markets, Institutions and Incentives; Research Topics on Marketing
	• Selected Courses at **Sharif University of Technology:** Decision Making, Combinatorial Optimization, Game Theory, Graph Theory, Computer Simulation, Design of Experiments, Stochastic Processes, Probability Models and Queueing