



I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at Dipartimento di Economia, Management e Metodi Quantitativi (DEMM) Scientist- in - charge: At the Department of Economics, Management, and Quantitative Methods (DEMM)

Rana Bamdadi

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	<u>Bamdadi</u>
Name	<u>Rana</u>

PRESENT OCCUPATION

Appointment	Structure
<u>Researcher</u>	<u>University of Mazandaran, Iran.</u>

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree	<u>Bachelor in Statistics and Applications</u>	<u>University of Guilan</u>	<u>2015</u>
Specialization			
PhD	<u>Mathematical Statistics</u>	<u>University of Mazandaran</u>	<u>2024</u>
Master	<u>Mathematical Statistics</u>	<u>University of Guilan</u>	<u>2019</u>
Degree of medical specialization			
Degree of European specialization			
Other			



REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date registration	of Association	City

FOREIGN LANGUAGES

Languages	level of knowledge
<u>English: Proficient</u>	<u>English: Excellent (Reading, Writing, Speaking)</u>

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2023	<u>Workshop on Analytics for a Better World, Amsterdam Business School.</u>
2024	<u>Excellence in Research Award, University of Mazandaran.</u>

TRAINING OR RESEARCH ACTIVITY

description of activity
<u>- Researcher: Conducted independent research on integer-valued bilinear models and clustering high-variance data.</u>
<u>- Lecturer, University of Mazandaran (2020-2024): Taught regression and time series with R to undergraduates.</u>
<u>- Data Analyst, Tehran Pepsi Company (2021-2022): Designed data-driven promotion strategies using machine learning models.</u>

PROJECT ACTIVITY

Year	Project
<u>2024</u>	<u>Developed a modified thinning-based integer-valued bilinear model for time series analysis, published in "Communications in Nonlinear Science and Numerical Simulation."</u>
<u>2024</u>	<u>Applied the saddlepoint method in integer-valued bilinear models, published in the "Journal of the Iranian Statistical Society."</u>
<u>2022</u>	<u>Conducted research on fuzzy and non-fuzzy k-quantile clustering for high-variance data, published in "Pattern Analysis and Applications."</u>
<u>2021</u>	<u>Designed and implemented data-driven promotion strategies for Tehran Pepsi Company using machine learning models.</u>

PATENTS

Patent



N/A

CONGRESSES AND SEMINARS

Date	Title	Place
<u>2024</u>	<u>17th Iranian Statistics Conference, Presentation: "A Multiplicative Thinning-Based Bilinear Model for Count Time Series"</u>	<u>University of Birjand, Iran</u>
<u>2023</u>	<u>Workshop on Analytics for a Better World</u>	<u>Istanbul Technical University</u>
<u>2023</u>	<u>14th Seminar on Probability and Stochastic Processes, Presentation: "Saddlepoint Method in Integer-Valued Bilinear Model"</u>	<u>Vali-e-Asr University, Rafsanjan, Iran</u>

PUBLICATIONS

Books
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]

Articles in reviews
<u>Title: "A Bilinear Modeling in Counts Time Series with Applications" Review: Communications in Nonlinear Science and Numerical Simulation Place: Elsevier Year: 2024</u>
<u>Title: "A Saddlepoint Method in Integer-Valued Bilinear Models" Review: Journal of the Iranian Statistical Society Place: Iran Statistical Society Year: 2024</u>
<u>Title: "Fuzzy and Non-Fuzzy K-Quantile Clustering for High-Variance Data" Review: Pattern Analysis and Applications Place: Springer Year: 2022</u>

Congress proceedings
[title, structure, place, year]
[title, structure, place, year]
[title, structure, place, year]

OTHER INFORMATION

<u>Proficient in Python, R, SQL, and LATEX.</u>
<u>Expertise in time series modeling, clustering, and machine learning.</u>
<u>Experience teaching regression and time series analysis to undergraduates.</u>
<u>Strong communication and presentation skills, demonstrated at international workshops and conferences.</u>

Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.



UNIVERSITÀ DEGLI STUDI DI MILANO

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: Tehran, Iran, 6/1/2025