



TO MAGNIFICA RETTRICE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE 7068

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** dell'Università degli Studi di Milano

Scientist- in - charge: **Prof. Rossini Luca**

[Name and surname]

**CURRICULUM VITAE**

## PERSONAL INFORMATION

Surname	KAHRARI
Name	FERESHTEH

## PRESENT OCCUPATION

Appointment	Structure
unemployed	unemployed

## EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	1)ADVANCED STATISTICAL INFERENCE 1 2)ADVANCED TOPICS IN THE THEORY OF NONPARAMETRIC 3)PROBABILITY 2 4)ADVANCED TOPICS IN RELIABILITY 5)COMPERIHENSIVE EXAM 6)PhD THESIS	University of Birjand, Iran	2017
Master	1)MATHEMATICAL ANALYSIS 2)STATISTICAL INFERENCE 1 3)STATISTICAL INFERENCE 2 4)PROBABILITY THEORY 5)LINEAR MODELS 1 6)SPECIAL TOPICS 7)MSC THESIS	Razi university, Iran	2010
Degree of medical			



specialization			
Degree of specialization	European		
Other			

## REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City

## FOREIGN LANGUAGES

Languages	level of knowledge
English	Professional

## AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award
2019	Post-doctoral fellowship, university of Atacama, Chile
2021-2022	Post-doctoral type A fellowship, university of Padova, Italy
2022-2024	Post-doctoral type B fellowship, university of Padova, Italy

## TRAINING OR RESEARCH ACTIVITY

<p>description of activity: Assistant professor at Shahid Chamran university of Ahvaz, Iran, (September,2019 - February,2021)</p> <p>I have taught some courses which are:</p> <ol style="list-style-type: none"><li>1) STATISTICS &amp; PROBABILITIES</li><li>2) REGRESSION</li><li>3) PROBABILITY AND ITS APPLICATIONS</li><li>4) SAMPLING METHODS 1&amp;2</li><li>5) STATISTICS &amp; PROBABILITIES AND ECONOMICAL STATISTICS 1&amp;2</li><li>6) BASIC MATHEMATICS AND APPLIED MATHEMATICS IN MANAGEMENT</li><li>7) STATISTICS &amp; PRIMARY PROBABILITY</li></ol>
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## PROJECT ACTIVITY

Year	Project



## PATENTS

Patent

## CONGRESSES AND SEMINARS

Date	Title	Place

## PUBLICATIONS

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

### Articles in reviews

A flexible two-piece normal dynamic linear model, Computational Statistics, Emanuele Aliverti., Reinaldo B. Arellano-Valle, <b>Freshet Kahrari</b> , Bruno Scarpa, 2023.
An efficient ECM algorithm for the finite mixtures of multivariate skew-normal independent Distributions, Computational Statistics, <b>Fereshte Kahrari</b> , 2024. (REVISION IN PROCESSING (COST-D-24-00439))
A Two-Piece Scale Mixture Normal Measurement Error Models for Replicated Data, Stochastic Models in Probability and Statistics, <b>Fereshte Kahrari</b> , 2024.
Some simulation/computation in multivariate linear models of scale mixtures of skew-normal-Cauchy distributions, Communications in Statistics-Simulation and Computation, <b>Fereshte Kahrari</b> , Reinaldo Boris Arellano-Valle , Clecio da Silva Ferreira & Diego Gallardo, 2022.
On the modified skew-normal-Cauchy distribution: Properties, inference and applications, Communications in Statistics-Theory and Methods, Javier E. Contreras-Reyes, <b>Fereshte Kahrari</b> & Daniel Devia Cortés, 2021.
Bias prevention of maximum likelihood estimates for skew-normal-Cauchy, Communications in Statistics-Simulation and Computation, <b>Fereshte Kahrari</b> , Reinaldo Boris Arellano-Valle & Majid Rezaei, 2020.
Skew-normal-cauchy linear mixed models, <b>Fereshte Kahrari</b> , Clecio da Silva Ferreira, Reinaldo Boris Arellano-Valle, 2019.
Scale mixtures of skew-normal-Cauchy distributions, Statistics & Probability Letters, <b>Fereshte Kahrari</b> , Reinaldo B. Arellano-Valle , M. Rezaei , F. Yousefzadeh , 2017.
On the multivariate skew-normal-Cauchy distribution, Statistics & Probability Letters, <b>Fereshte Kahrari</b> , Reinaldo B. Arellano-Valle , M. Rezaei , F. Yousefzadeh , 2016.



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

## OTHER INFORMATION

I graduated with my PhD from the University of Birjand in collaboration with Pontifical Catholic University of Chile supervised by Prof. Reinaldo Boris Arellano-Valle (reivalle@mat.uc.cl). in September 2017.

**Title of my Thesis:** A study of the multivariate skew-symmetric distributions.

My primary research interest is in the area of flexible modeling in Statistics. Specially, multivariate skewed distribution. The importance of flexible models is further stressed by their successful combination with classical statistical theories and tools such as time series analysis, space-state models, random fields, regression models, Bayesian statistics or hypothesis testing.

**Some of my research interests are as follows:** Application of Multivariate Skewed Distributions in Finance Science, Time Series Analysis, Bayesian Inference, Skewness-based Projection Pursuit, Classification, EM algorithms, High-Dimensional Regression, Information Theory, Mixed Effects Models, Latent Variable Models, Mixture Models, Statistical Diagnostics.

I have worked on these topics over the last 10 years.

Beyond my successes as a researcher, I have had extensive experience teaching a variety of Statistics courses. As an ASSISTANT PROFESSOR at Shahid Chamran university of Ahvaz, KHOZESTAN, Iran, also, an INSTRUCTOR at Razi university, KERMANSHAH, IRAN, I have taught some courses which are: Economical Statistics 1&2, Applied Mathematics in Management, Basic Mathematics, Statistics & Probabilities, Applied Statistics in Management and Statistics & Primary Probability, Regression, Sampling methods 1&2.

I already worked at department of Statistical sciences, university of Padova, Italy as a post-doctoral fellowship from April, 2021 until July, 2024. It was truly amazing experience for me. I am really interested in working at any Italian universities, specially, the most important one like university of Milan.

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

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, 16/01/2025