Part A. PERSONAL INFORMATION

CVA date	26/11/2021

First and Family name	M. Dolores Jiménez Gamero		
Social Security, Passport, ID number		age	
Researcher numbers	Researcher ID	K-2305-2014	
	Orcid code	0000-0002-8823-3292	
	Scopus Author ID	6602294886	

A.1. Current position

Name of University/Institution	Universidad de Sevilla		
Department	Dpto. de Estadística e Investigación Operativa		
Address	Avda. Reina Mercedes s.n, 41012 Sevilla, Spain		
Phone number		E-mail	
Current position	Full professor	From	22/11/2018
UNESCO nomenclature	1209.03, 1209.06, 1209.13		
Keywords	Bootstrap, goodness-of-fit tests, specification tests, homogeneity tests, influence análisis, calculus with fuzzy numbers		

A.2. Educaton

Degree	University	Year
BSc in Mathemtics	Universidad de Sevilla	1989
PhD in Mathematics	Universidad de Sevilla	1994

A.3. JCR articles, h Index, thesis supervised

- Positive evaluation of six-years research from the National Committee for the Assessment of the Research Action (CNEAI): 3, last one 2010-2015
- Supervised thesis: 3
- Cites: 870 (source Scopus), 1218 (source Google scholar)
- Average number of cites per year from 2017: 104.6 (source Scopus), 141.6 (source Google scholar)
- JCR index journal articles: 91 (19 Q1, 33 Q2, 22 Q3, 17 Q4; 29 T1, 38 T2, 24 T3)
- JCR index journal articles from 2017: 35 (9 Q1, 12 Q2, 13 Q3, 1 Q4; 15 T1, 16 T2, 4 T3)
- h index: 13 (source Scopus), 16 (source Google scholar)
- hi10 index: 22 (source Scopus), 37 (source Google scholar)

Part B. CV SUMMARY *(maximum 3500 caracters, including spaces)*

I am a member of the Dpto. de Estadística e Investigación Operativa of the Universidad de Sevilla (US) since October-1989; in March-1996 I became a Profesor Titular de Escuela Universitaria; in February-2000 I became a Profesor Titular de Universidad (Associate Professor); in November-2018 I became a Catedrática de Universidad (Full Professor).

In November-1994 I got the PhD degree in Mathematics at the US. I started to publish in journals indexed in JCR in 1998, and since then I publish regularly. The articles are co-authorized by professors from my department, from other Spanish universities and foreign universities. My lines of research are: bootstrap method, on which my doctoral thesis was based, goodness of fit, homogeneity of populations, specification tests, influence analysis and calculus with fuzzy numbers On calculus for fuzzy data I co-advised, together with Professor M.A. Rojas-Medar (U. Tarapacá, Chile), the doctoral thesis of Y. Chalco-Cano (U. Tarapacá, Chile), defended in 2004, with whom I have published 9 articles, 7 of them in T1; on goodness of fit I supervised the doctoral thesis of F. Novoa Muñoz (U. Bío-Bío, Chile), defended in 2013, from which emanated 2 papers; on contrasts in nonparametric regression

models I have supervised the doctoral thesis of G.I. Rivas Martínez (U. Nacional de Paraguay), defended in 2017, from which we published three articles. I have also published several book chapters.

I have participated (as a speaker and in the organization) in numerous national congresses and international conferences, where I have given 3 plenary conferences, organized 15 sessions and I have participated by invitation on 28 occasions. I have given various seminars both in Spanish and foreign universities.

My research activity has been favored by my participation in several research projects, one of them as chief investigator.

In addition to the theoretical contributions mentioned above, I have collaborated in works of Medicine, as a statistical advisor, published in specialized journals. I have aparticipated in contracts with companies and public administrations. I have taught various subjects (from undergraduate / graduate studies in Computer Science, Mathematics, Biology and Statistics). I have directed final degree projects and I have been tutor of internships in companies. I have participated in several teaching innovation projects at my university. Since I obtained my PhD degree, I have taught in doctoral / master's courses in the US, both aimed at mathematics staudents (theoretical), as well as others aimed at chemists, biologists, etc. (applied). I have also taught master's degrees at the unversities: Pablo de Olavide (Spain), of Antofagasta (Chile) and of Buenos Aires (Argentina).

I have been Secretary of the Faculty of the US from March-2000 to July-2001.

Part C. RELEVANT MERITS

C.1. Publications: selected papers from 2017

- M.D. Jiménez-Gamero, Cousido-Rocha, M, Alba-Fernández, MV, Jiménez-Jiménez, F. Testing the equality of a large number of populations. To appear in *Test*
- N. Henze, M.D. Jiménez-Gamero (2021) A test for Gaussianity in Hilbert spaces via the empirical characteristic functional. *Scandinavian Journal of Statistics*, 48, 406-428.ç
- M.D. Jiménez-Gamero**,** A.M. Franco-Pereira, AM (2021) Testing the equality of a large number of means of functional data. *Journal of Multivariate Analysis* 185, 104778.
- M.D. Jiménez-Gamero, Alba-Fernández, MV (2021) A test for the geometric distribution based on linear regression of order statistics. *Mathematics and Computers in Simulation*, 186, 103-123.
- M.D. Jiménez-Gamero, Sangyeol Lee, Simos G. Meintanis (2020) Goodness-of-Fit Tests for parametric specification of GARCH models. *Test* 29, 682-703.
- MD Jiménez-Gamero, P Puig (2020) A non-parametric method of estimation of the population size in capture-recapture experiments. *Biometrical Journal* 62,970--988.
- N. Henze, M.D. Jiménez-Gamero (2019) A new class of tests for multinormality with i.i.d. and GARCH data based on the empirical moment generating function. *Test,* 28, 499-521.
- GI Rivas-Martínez, MD Jiménez-Gamero, JL Moreno Rebollo (2019) A two-sample test for the error distribution in nonparametric regression. *Statistical Papers*, 60, 1369--1395.
- N Henze, MD Jiménez-Gamero, SG Meintanis (2019) A novel characterization of multinormality and corresponding tests of fit, including for GARCH models. *Econometric Theory.* 35, 510--546.
- MD Jiménez-Gamero, MV Alba-Fernández, FJ Ariza-López (2019) Approximating the nulldistribution of a class of statistics for testing independence. *Journal of Computational and Applied Mathematics,* 354, 131-143.
- MD Jiménez-Gamero, JL Moreno-Rebollo, JA Mayor-Gallego (2018) On the estimation of the characteristic function in finite populations with applications.*TEST*, 27, 95--121.
- MV Alba-Fernández, MD Jiménez-Gamero, FJ Ariza-López (2018) Minimum penalized phi-divergence estimation under model misspecification, *Entropy* 20, 329, 1-15.

- C Francq, MD Jiménez-Gamero, SG Meintanis (2017) Tests for sphericity in multivariate GARCH models, *Journal of Econometrics,* 196, 305--319.
- MD Jiménez-Gamero, MV Alba-Fernández, P Jodrá, I Barranco-Chamorro (2017) Fast tests for the two-sample problem based on the empirical characteristic function, *Mathematics and Computers in Simulation*, 137, 390--410.
- MV Alba-Fernández, A Batsidis, MD Jiménez-Gamero, P Jodrá (2017) A class of tests for the two-sample problem for count data, *Journal of Computational and Applied Mathematics*, 318, 220--229.

C.2. Research projects from 2017

- Title: Avances metodológicos y computationales en estadística no-paramétrica y semiparamétrica.
  Reference: MTM2014-55966-P
  Funded by: Ministerio de Economía y Competitividad
  Chief investigator: Jacobo de Uña Álvarez (Universidad de Vigo)
  Dates: 01/01/2015 -31/12/2017.
- Title: Computationally-intensive methods for the robust analysis of non-standard data
  Reference: Information and Communication Technologies COST Action IC1408
  Funded by: EU Framework Programme Horizon 2020
  Chair of the Action: Ana Colubi. Vice Chair of the Action: Erricos Kontoghiorghes.
  Dates: 2015-2019
- Title: Grupo de Referencia Competitiva-IO1-Inferencia Estadística, Decisión ec Investigación Operativa
  Reference: ED431C2016-040(GRC)
  Funded by: Xunta de Galicia - Consellería de Cultura, Educación e Ordenación Universitaria
  Chief investigator: Jacobo de Uña Álvarez (Universidad de Vigo)
  Dates: 23/12/2016-30/11/2019
- Title: Nuevos avances metodológicos y computationales en estadística no-paramétrica y semiparamétrica.
  Reference: MTM2017-89422-P
  Funded by: Ministerio de Economía, Industria y Competitividad
  Chief investigator: Jacobo de Uña Álvarez (Universidad de Vigo)
  Dates: 2018-2020
- Title: Data Science: from mathematical modeling to mathematical optimization
  Reference: P18-FR-2269
  Funded by: Junta de Andalucía
  Chief investigator: Emilio Carrizosa Priego (Universidad de Sevilla)
  Dates: 2020-2022
- Title: Nuevos avances metodológicos y computationales en estadística no-paramétrica y semiparamétrica.
  Reference: PID2020-118101GB-I00
  Funded by: Ministerio de Ciencia e Innovación
  Chief investigator: Jacobo de Uña Álvarez (Universidad de Vigo)
  Dates: 2021-2023

C.3. Contracts from 2017

- Title: Análisis contrafactual en el cártel lácteo
  Reference: 4027/1076
  Funded by: qosiITconsulting, S.L.
  Chief investigator: M Dolores Jiménez Gamero (Universidad de Sevilla)
  Dates: 11/2020- 6/2021

C.6. Others

- **Reviewer**. I have been referee of several journals: Advances and Applications in Statistics, Alea-Latin American Journal of Probability and Mathematical Statistics, Annals of Statistics, Biometrics, Brazilian Journal of Probability and Statistics, Communications in Statistics -- Theory and Methods, Communications in Statistics -- Simulation and Computation, Computational Statistics and Data Analysis, Computers and Mathematics with Applications, Electronic Journal of Statistics, Estadística Española, Fuzzy Sets and Systems, Hacettepe Journal of Mathematics and Statistics, IEEE Access, Information Sciences, Journal of Applied Statistics, Journal of Business & Economic Statistics, Journal of Computational and Applied Mathematics, Journal of Function Spaces, Journal of Interdisciplinary Information Sciences, Journal of Multivariate Analysis, Journal of Nonparametric Statistics, Journal of Statistical Computation and Simulation, Journal of Statistical Planning and Inference, Journal of the American Statistical Association, Journal of the Korean Statistical Society, Lifetime Data Analysis, Lithuanian Mathematical Journal, Mathematics and Computers in Simulation, Metrika, REVSTAT, Sankhya, Scandinavian Journal of Statistics, Symmetry, Sort, South African Statistical Journal, Statistical Papers, Statistics, Statistics and Probability Letters, Test.

- I am an **Associate Editor** of the journal *Test* from 2021.

- I have been a **member of the Scientific Committee** of the following **Conferences** from 2017:
    - XVI Conferencia Española de Biometría 2017 (CEB2017), 13-15 sep Sevilla 2017
    - XVII Conferencia Española y VII encuentro Iberoamericano de Biometría 2017 (CEBEIB 2019), 18-21 junio Valencia 2019
    - Computational and Methodological Statistics (CMStatistcs) 2021, 18-20 Dec, London

- I have been a **member of the Organizing Committee** of the following **Conferences** from 2017
    - XVI Conferencia Española de Biometría 2017 (CEB2017), 13-15 sep Sevilla 2017.

- **Evaluator of research proyects** from 2017 for
    - ANECA (Spain) in 2018
    - FONDCyT (Argentina) in 2019, 2021.