



### CURRICULUM VITAE (CVA)

**IMPORTANT – The Curriculum Vitae cannot exceed 4 pages. Instructions to fill this document are available in the website.**

#### Part A. PERSONAL INFORMATION

CV date	21/04/2023
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First name	Carlos Javier		
Family name	Pérez Sánchez		
Gender	Male	Birth date (dd/mm/yyyy)	09/09/1971
Social Security, Passport, ID number	25.587.648X		
e-mail	carper@unex.es	URL Web	<a href="http://bayes.unex.es">http://bayes.unex.es</a>
Open Researcher and Contributor ID (ORCID)	0000-0001-6385-9080		

#### A.1. Current position

Position	Full Professor/Catedrático de Universidad		
Initial date	26/10/2020		
Institution	Universidad de Extremadura		
Department/Center	Departamento de Matemáticas	Facultad de Veterinaria	
Country	Spain	Teleph. number	+34 927257146
Key words	Bayesian methods; Decision analysis; Machine learning		

#### A.2. Previous positions (research activity interruptions, art. 14.2.b)

Period	Position/Institution/Country/Interruption cause
04/11/2009 - 25/10/2020	Associate Professor (Profesor Titular de Universidad). Universidad de Extremadura
01/08/2006 - 03/11/2009	Associate Professor (Profesor Contratado Doctor). Universidad de Extremadura
18/10/1999 - 31/07/2006	Non-permanent Assistant Profesor (Profesor Asociado). Universidad de Extremadura
02/03/1999 - 17/10/1999	Predoctoral grant (Becario). Universidad de Málaga

#### A.3. Education

PhD, Licensed, Graduate	University/Country	Year
Mathematics degree	Universidad de Málaga	1994
Mathematics master thesis	Universidad de Málaga	1996
PhD in Mathematics	Universidad de Málaga	2003

#### Part B. CV SUMMARY

The applicant is a Full Professor in the Area of Statistics and Operations Research at the University of Extremadura (UEX). He got his PhD in Mathematical Sciences at the University of Málaga (Stochastic Simulation in Bayesian Inference and Decision Theory). He has developed an intense research activity in Bayesian decision and inference. He has solved decision problems by developing innovative approaches in many multidisciplinary contexts. In recent years, he has focused on risk analysis and decision-making tools for integration in artificial intelligence systems. The development of new methods for computer-aided diagnosis system is the main current interest, having provided several approaches to automatically detect and follow progression of voice-detectable diseases such as Parkinson, Reinke's edema, nodules, polyps... He is also involved in text mining for automatic summarization and sentiment analysis.



He has obtained relevant results that have led to a significant number of scientific papers (more than 80), book chapters (9), communications to conferences (more than 110) and a third national award for operations research. According to Web of Science (Clarivate analytics), he has published 71 papers in JCR journals and 7 papers as book chapters in proceedings with peer review from prestigious publishers such as Springer or Taylor and Francis. He has 4 six-year terms (3 for research and one for transfer) evaluated by the CNEAI, supervised 6 PhD, and participated as a researcher in 14 competitive research projects, of which 6 have been multidisciplinary. As a main researcher, he has led 6 competitive projects and 9 research contracts with different companies.

He is the coordinator of the research group "Decision and Bayesian Inference", to which he has belonged since its origins, and has contributed decisively to its consolidation. He has contacts with internationally renowned scientists, such as Prof. Girón from the Royal Academy of Exact, Physical and Natural Sciences (Málaga, Spain) or Prof. Müller from the University of Austin Texas (Austin, USA). He has made research stays in prestigious centers such as the MD Anderson Cancer Center (Houston, USA) or the Center for Environmental Systems Research (Kassel, Germany). In addition, he has been a reviewer of multiple scientific journals in the areas of Probability and Statistics and Operations Research and Management Sciences.

The applicant has paid special attention to linking research and teaching by training students (bachelor's and master's degrees) in the research lines in which he has participated. Since 2012, he has supervised 30 bachelor's or master's thesis, and 7 PhDs. He is currently supervisor of two PhDs that are scheduled to be defended in 2025. He is involved in raising funds for competitive pre-doctoral scholarships, having obtained two of them (regional and FPU). The PhD students and other graduate's jobs prospects are part of his concerns. In addition, he has kept contact with them to continue a research collaboration. In fact, two of them (university tenants) belong to the research or work team of this project. In the last 10 years, he has trained 12 graduates that have been contracted by projects for which the applicant has been the main researcher, having spent the entire budget of the projects in hiring. At the same time that they work for the corresponding project, they have been trained in research methodologies and statistical techniques for a better integration into the labor market. All of them are currently hired at universities, research centers or technology-based companies. He has sufficient training capacity, maintains external research contacts for collaboration and has the physical space and equipment (in addition to what may eventually be obtained with this project) to incorporate more pre-doctoral students so that they can carry out their research work under optimal conditions. In addition, he participates in the Doctoral Program in Modeling and Experimentation in Science and Technology at the University of Extremadura and in the Doctoral Program of Public Health.

The applicant keeps in touch with companies in the field of technology and with institutions of social interest for transferring the research results. Specifically, with the Spanish Parkinson's Disease Federation, the Regional Parkinson's Association of Extremadura, the Otolaryngology Service of the Cáceres Hospital and the Occupational Risk Prevention Service of the UEx, FREMAP, and Preving to help diagnose and follow up on voice-detectable diseases and with Metadatol for text mining. He has also transferred results to other companies such as NotAnts (precision agriculture system) or ASPgems (learning analytics). He currently has contracts via article 83 with Metadatol, NotAnts, and Preving. Collaborating companies constantly request him human resources to incorporate them into their staffs.

### **Part C. RELEVANT EVALUATION MERITS**

- Agencia Valenciana de Evaluación y Prospectiva. Evaluador en 2022 de los siguientes programas: programa de ayuda a grupos de investigación emergente (2 expedientes) y ayudas para la organización y difusión de congresos (1 expediente).
- Agencia Estatal de Investigación. Evaluador en 2023 del Programa de Promoción general del Conocimiento (2 expedientes).



- European Commission. Evaluador del programa Horizonte Europa en 2022 (5 expedientes)
- Miembro de la Comisión de Investigación de la Universidad de Extremadura (estatutaria) entre 2008 y 2021. Asesora al Consejo de Gobierno sobre la política general de investigación y sobre las prioridades anuales de actuación, propone la distribución de recursos económicos y materiales para investigación, y propone la convocatoria y adjudicación de becas y ayudas a la investigación, entre otras funciones.
- Miembro de la Comisión de Evaluación de la Docencia del Departamento de La Universidad de Extremadura desde 2008.
- Miembro de la Comisión del Evaluación de la Universidad de Extremadura (DOCENTIA) (estatutaria) desde 2021.