ANA RODRIGUEZ SANTIAGO   May 2024

PhD Assistant Professor
Universidad de Málaga, Spain

PERSONAL/CONTACT INFORMATION

Date of Birth: April 5th, 1993. Gender: Female. Nationality: Spanish.

ADDRESS   CONTACT

Applied Economics Department, Universidad de Málaga   Mobile: (+34) 627108499
Faculty of Economics and Business Studies   E-mail: rodriguezasantiago@uma.es
Plaza de el Ejido, 29071 Málaga (Spain)   Personal website: ana.uborzz.es

EDUCATION

2017 – 2022	PhD in Economics, Business, Finance and Computer Science (Universidad de Huelva and Universidad Internacional de Andalucía), with International Mention Thesis title: **Self-Employment at the Macro Level: Drivers, Inhibitors and Fluctuations** (Download Thesis) Supervisors /Advisers: Máximo Camacho (Universidad de Murcia) and Emilio Congregado (Universidad de Huelva) Date: 30 September 2022. Committee (Examiners): Javier J. Pérez (BdE), Begoña Cueto (Universidad de Oviedo), André van Stel (Trinity College Dublin) Grade Excellent - Cum Laude.
2015 – 2016	MSc. in Economics, Finance and Computer Science (Universidad Internacional de Andalucía and Universidad de Huelva). Field: Business Analytics Grade 8,96/10 Master's thesis: **"What has changed after the Great Recession on the European cyclical patterns?"** Supervisor: Máximo Camacho (Universidad de Murcia) Award for the best Master Thesis (Maximum grade with honours-10)
2011 – 2015	Bachelor in Tourism Management (Universidad de Huelva) Grade 8,6/10 Award for the best academic record
2010 – 2015	Bachelor in Business Administration (Universidad de Huelva) Grade 8,55/10

EVALUATION PROGRAMMES / ACCREDITATION

− Accredited by the ANECA (Spanish Agency of Accreditation) as Assistant Professor. February 2023.
− Accredited by the DEVA (Andalusian Agency of Accreditation) as Associate Professor (Profesora Contratada Doctora) and as Assistant Professor (Profesora Ayudante Doctora). December 2022.

RESEARCH

FIELDS OF RESEARCH

- Applied Macroeconomics and Labour Economics.
- Bayesian econometrics, time series analysis, finite mixture models and Markov-Switching models.
- Self-employment/entrepreneurship.

PUBLISHED PAPERS IN INTERNATIONAL INDEXED JOURNALS

- Camacho, M., Congregado, E., and **Rodríguez-Santiago, A**. An inquiry into the drivers of an entrepreneurial economy: A Bayesian clustering approach. *Journal of Evolutionary Economics*, forthcoming.
- **-Santiago, A.** (2022). Re-evaluating the relationship between economic development and self-employment, at the macro-level: a Bayesian Model Averaging approach. *International Journal of Interactive Multimedia and Artificial Intelligence*, doi: 10.9781/ijimai.2022.01.007.
- López-Pérez, E., **Rodríguez-Santiago, A.,** and Congregado, E. (2020). Persistence in Self-Employment Rates before the Great Lockdown: The Case of the UK. *Sustainability*, 12(16), 6429. doi: 10.3390/su12166429.
- **Rodríguez-Santiago, A.** (2019). What has Changed After the Great Recession on the European Cyclical Patterns? *Journal of Business Cycle Research*, 1-26. doi: 10.1007/s41549-019-00038-7.

PAPERS IN PROGRESS

- Congregado, E., Rodríguez-Santiago, A., and Román, C. Is employment protection legislation a driver or an inhibitor of entrepreneurship? The interaction between stringency and enforcement.
- Rodríguez-Santiago, A., Congregado, E., and Carmona, M. Procyclical and countercyclical components in aggregate self-employment dynamics: labour market performance vs. business confidence index.

SCHOLARSHIPS

Oct. 2017 – Oct. 2022	Scholarship of research and educational training (FPU) by the Spanish Ministry of Education, Culture and Sports.
Sep. 2020 – Mar. 2021	Additional scholarship for temporary stays (FPU) by the Spanish Ministry of Education, Culture and Sports

RESEARCH STAYS

Feb. 2023 – May. 2023	Guest researcher in the Economics and Research Department of Bank of Portugal.
Sep. 2020 – Mar. 2021	Guest researcher in the Department of Economics of the Vienna University of Economics and business. Invitation by Prof. Crespo Cuaresma.

RESEARCH GROUPS MEMBERSHIP

Since Oct. 2017	*Spanish Entrepreneurship Research Group* −SERG− (SEJ487) Andalusian Research, Development and Innovation Plan Principal: Mónica Carmona (Universidad de Huelva)

RESEARCH PROJECTS

2021 – 2024   *El gran confinamiento como acelerador de las nuevas formas de empleo: cuestiones de género, sostenibilidad y resiliencia*
Principal researchers: Concepción Román, Emilio Congregado
Amount: 54.450 €
Type of solicitation: National
Funder: Spanish Ministry of Science, Innovation and Universities, PID2020-115183RB-C22

2021 – 2022   *Plataformas digitales y autoempleo como catalizadores del cambio en el mercado laboral*
Principal researcher: Concepción Román
Type of solicitation: Regional
Amount: 30.254,84 €
Funder: Junta de Andalucía, P20-00733

2020 – 2022   *Trabajo mediado por plataformas y conciliación de la vida laboral y familiar desde una perspectiva de género*
Principal researcher: Mónica Carmona
Type of solicitation: University of Huelva
Amount: 10.000 €
Funder: University of Huelva, 6452020

2020 – 2022   *Hacia un sector TIC consolidado, competitivo e integrador: un análisis de la brecha digital en Andalucía en perspectiva comparada.*
Principal researcher: José María Millán Tapia
Type of solicitation: Regional
Amount: 15.306,12 €
Funder: Junta de Andalucía, UHU-1265299

2018 – 2021   *Repensando el papel del autoempleo en mercados de trabajo escleróticos: Lecciones extraídas de la Gran Recesión.*
Principal researcher: Concepción Román
Type of solicitation: National
Amount: 19.965 €
Funder: Spanish Ministry of Economy and Competitiveness, ECO2017-86402-C2-2-R

2017 – 2019   *The cyclicality of the labour force participation. The added/discouraged worker effect analysis.*
Principal researcher: Ewa Galecka-Burdziak
Type of solicitation: National
Funder: National Science Centre, Poland, UMO-2016/21/D/HS4/02808

SEMINARS INSTRUCTION

Jun. 2023   *Gestión de la bibliografía con Mendeley*
8th Doctoral Workshop in Big Data & Labor Economics, Huelva

Jun. 2018	*Bayesian Mixture Models*
	II Doctoral Workshop in Economics, Big Data and Computer Science, Huelva

CONFERENCES PRESENTATIONS

Jan. 2023	*Is employment protection legislation a driver or an inhibitor of entrepreneurship? The interaction between stringency and enforcement*
	6th ASTRIL Conference, Rome (Italy)

Jul. 2022	*The interaction between employment protection legislation stringency in determining the differences in national self-employment rates across OECD countries*
	XV Labour Economics Meeting, Albacete

Jun. 2022	*The role of labour market institutions as a driver of self-employment in OECD countries: a Bayesian approach*
	8th International Conference on Time Series and Forecasting, Gran Canaria

Jun. 2022	*Procyclical and countercyclical components in aggregate self-employment dynamics: labour market performance vs. business confidence index*
	XXIV Applied Economics Meeting, Palma

Jun. 2021	*The determinants of self-employment in OECD countries: A Bayesian approach*
	XIV Labour Economics Meeting, Online

Jun. 2019	*Cyclical behaviour and shock-persistence of the labour force participation: the Spanish case*
	XIII Labour Economics Meeting, Huelva

Jun. 2019	*The new dynamics of Self-Employment: labour market performance vs. business confidence index*
	XIII Labour Economics Meeting, Huelva

Nov. 2018	*The new dynamics of Self-Employment: labour market performance vs. business confidence index*
	XX Seminario Hispano-Luso de Economía Empresarial, Huelva

Jun. 2018	*Seminar: Bayesian Mixture Models*
	II Doctoral Workshop in Economics, Big Data and Computer Science, Huelva

Abr. 2018	*The new dynamics of Self-Employment: labour market performance vs. business confidence index*
	Global Workshop on Freelancing & Self-employment Research, London (United Kingdom)

Jun. 2017	*What has changed after the Great Recession on the European cyclical patterns?*
	XVIII Conference on International Economics, La Rábida (Huelva)

SPECIALIZATION COURSES AND SEMINARS

– Econometric Analysis Under Model Uncertainty. Instructor: Jesús Crespo-Cuaresma (WU). Universidad Internacional de Andalucía. September 2022.
– Introduction to Synthetic control Methods with Stata. Instructors: Antonio Di Paolo (UB) and Raúl Ramos (UB). Asociación Española de Economía del Trabajo. June 2022.

- Importancia y técnicas de presentación para el procesado de series temporales: aplicación a diferentes áreas de estudio y/o trabajo. Instructor: Juan Moreno (UCLM). Universidad de Huelva. April 2022.

- Kalman filter and real-time forecasting. Instructor: Máximo Camacho (Universidad de Murcia). Universidad de Huelva and Universidad Internacional de Andalucía. December 2021.

- Análisis empírico de conflictos y desigualdad. Instructor: Marcos Sansó (Universidad de Zaragoza). Universidad de Huelva and Universidad Internacional de Andalucía. July 2021.

- LaTeX course. Instructor: Julia Feria (Universidad de Huelva). Universidad de Huelva and Universidad Internacional de Andalucía. July 2021.

- Experimental approach in labour and development economics. Instructor: Mónica Martínez Bravo (CEMFI). Asociación Española de Economía del Trabajo. June 2021.

- Topics in macroeconomics: Model uncertainty. Instructor: Jesús Crespo-Cuaresma (WU). Vienna University of Economics and business. January 2021.

- Bayesian Econometrics II. Instructor: Sylvia Frühwirth-Schnatter (WU). Vienna University of Economics and business. January 2021.

- Big data applications for real-time policy analysis in central Banks. Instructor: Javier Pérez (BdE). Universidad Internacional de Andalucía and Universidad de Huelva. December 2020.

- Time series with Stata 16 (Stata Specialization School 2020). Instructor: Antonio Jesús Sánchez (UCM). Timberlake Consulting S.L. and Universidad Internacional de Andalucía. November 2020.

- Machine learning with Stata 16 (Stata Specialization School 2020). Instructor: Achim Ahrens (ETH-Zurich). Timberlake Consulting S.L. and Universidad Internacional de Andalucía. October 2020.

- Money supply for a utility cryptocurrency. Instructor: Gonzalo Fernández de Córdoba (UMA). PhD. program in Economics, Business, Finance and Computer Science, Universidad de Huelva and Universidad Internacional de Andalucía. July 2020.

- Haciendo interpretable el aprendizaje automático. Algunos ejemplos. Instructor: Emilio J. Carrizosa (US). PhD. program in Economics, Business, Finance and Computer Science, Universidad de Huelva and Universidad Internacional de Andalucía. July 2020.

- Data management with Stata. Instructor: David Troncoso (US). PhD. program in Economics, Business, Finance and Computer Science, Universidad de Huelva and Universidad Internacional de Andalucía. November 2019.

- Machine learning and Gaussian processes: An introduction. Instructor: Teodoro Álamo (US). PhD. program in Economics, Business, Finance and Computer Science, Universidad de Huelva and Universidad Internacional de Andalucía. November 2019.

- Topics in Advanced Methods for Labour Economics: Decomposition methods in Labour Economics. Instructors: Paulo M.M. Rodrigues (BdP), Hugo Reis (BdP) and P. Raposo (UCL). XIII Jornadas de Economía Laboral, Huelva. June 2019.

- Introduction to ESDA and Spatial Econometrics using Stata. Instructor: Raúl Ramos (UB). Universidad Internacional de Andalucía. June 2018.

- Experiential Economics. Instructor: Giovanni Ponti (UA). PhD. program in Economics, Business, Finance and Computer Science, Universidad de Huelva and Universidad Internacional de Andalucía. May 2017.

OTHERS

Member of the organizing committee of the events:

- Specialization courses within the Cátedra Extenda of Universidad de Huelva, December 2019.
- XIII Labour Economics Meeting, Huelva, June 2019.
- XVIII Conference on International Economics, Huelva, June 2017.

TEACHING

TEACHING EXPERIENCE

Since. May 2024	*PhD Assistant Professor* Applied Economics (Statistics and Econometrics). Universidad de Málaga Current subjects: Statistics (Bachelor in Economics & in HHRR)
2023 – 2024	*Temporary Substitute Professor* Department of Economics. Universidad de Sevilla Subjects: Maths (Bachelor in Business) and Statistics (Bachelor in Economics)
2022 – 2024	*Professor* Faculty of Commerce and Management. Universidad Internacional de la Rioja Subjects: Descriptive statistics (Bachelor in Business, in Finance & in HHRR), World Economics (Bachelor in Business)
2017 – 2021	*Granted with FPU fellowship (18 credits)* Department of Economics. Universidad de Huelva Subjects: Monetary Macroeconomics, Macroeconomics, Microeconomics, Introduction to micro and macroeconomics, and mathematics (Bachelor in Business & in Finance)
2015 – 2016	*Temporary Substitute Professor (8,5 credits)* Department of Economics. Universidad de Huelva Subjects: Design and evaluation of labour projects (Bachelor in Industrial Relations), Spanish Economy (Bachelor in Business & in Finance), and Labour market, territory and strategies for social and labour insertion (Bachelor in Social Work)

TEACHING INNOVATION PROJECTS

2022 – 2023	*Generación de videos para programas de doctorado* Principal researcher: Mónica Carmona Type of solicitation: University Funder: Universidad de Huelva

TEACHING COURSES

- Cómo mejorar el clima emocional en las aulas universitarias. Vicerrectorado de Innovación y Empleabilidad, Universidad de Huelva. March 2022.
- M-learning: una herramienta para la mejora del proceso enseñanza-aprendizaje en Educación Superior. Universidad de Huelva. February 2022.
- Curso básico de docencia virtual. Vicerrectorado de Innovación y Empleabilidad, Universidad de Huelva. February 2022.
- Introducción a la comunicación y género y su aplicación al ámbito académico. Vicerrectorado de Innovación y Empleabilidad, Universidad de Huelva. October 2021.
- Videoconferencias desde Moodle ¿Cómo usar Zoom para el aprendizaje en línea? Vicerrectorado de Innovación y Empleabilidad, Comunicaciones e Infraestructuras, Universidad de Huelva. May 2020.

- Planning your class in English: Syllabus and resources. Vicerrectorado de Innovación y Empleabilidad, Universidad de Huelva. April 2019.
- Sistemas de comunicación web: Adobe Connect y otras soluciones. Vicerrectorado de Informática, Comunicaciones e Infraestructuras, Universidad de Huelva. January 2018.
- Gestión de archivos multimedia. Vicerrectorado de Informática, Comunicaciones e Infraestructuras, Universidad de Huelva. November 2017.

SUPERVISION OF MASTER AND BACHELOR THESES

2023 – 2024   *Business Plan: FeelEat. Una clínica de priconutrición online.*
Student: Gutiérrez Prieto, Héctor.
Degree: Bachelor in Business Administration, UNIR.

2023 – 2024   *Business Plan: Centro formativo de metodología BIM.*
Student: Sevilla Lorente, Florentina.
Degree: Bachelor in Business Administration, UNIR.

2023 – 2024   *Business Plan: Consultoría de transformación digital para PYMES.*
Student: Reyes Eugenio, Crisanto José.
Degree: Bachelor in Business Administration, UNIR.

2023 – 2024   *Business Plan: Vehículos de alquiler en Tenerife.*
Student: Ibarria Rodríguez, Rosa Gertrudis.
Degree: Bachelor in Business Administration, UNIR.

2022 – 2023   *Business Plan: Boutique Hotel Arena Blanca.*
Students: Chamochín, Mónica; Sánchez, Sergio; Molina, Cristian.
Degree: Bachelor in Business Administration, UNIR.

2022 – 2023   *Business Plan: Destinos cautivadores. Agencia de viajes online.*
Students: Carrasco, María José; García, Marta; Vivo, Inmaculada.
Degree: Bachelor in Business Administration, UNIR.

2022 – 2023   *Business Plan: Mimic. Gafas impresas en 3D.*
Students: Carreras, Catalina; Lía, María Inmaculada; Ceprià, Enric.
Degree: Bachelor in Business Administration, UNIR.

2022 – 2023   *Business Plan: Ecoruralia.*
Students: Casals, María José; Gil, Araceli; Sánchez, Manuel.
Degree: Bachelor in Business Administration, UNIR.

2022 – 2023   *Business Plan: Marketplace de productos ecológicos agrícolas en Andalucía.*
Students: Barea, Juan Carlos; Domínguez, Francisco; Loiola, Dorleta.
Degree: Bachelor in Business Administration, UNIR.

2021 – 2022   *Análisis del comportamiento del gasto en estudios superiores en los hogares españoles.*
Student: Blanco Pérez, Ana
Degree: Bachelor in Business Administration, Universidad de Huelva.

2016 – 2017   *Aplicación de aprendizaje automático en dos casos de política española.*
Student: Perea El Khalifi, David
Degree: MSc. in Economics, Finance and Computer Science, Universidad de Huelva.
Grade: 9 (Excellent)

CONTRIBUTIONS TO TEACHING CONFERENCES

Feb. 2023   *Trabajos de fin de grado basados en datos*
XIX Jornadas sobre Docencia de Economía Aplicada, Asociación Libre de Economía, Madrid

Feb. 2022   *El uso de métodos numéricos en la enseñanza de macroeconomía aplicada*
XVIII Jornadas sobre Docencia de Economía Aplicada, Asociación Libre de Economía, Madrid

Feb. 2018   *Evaluando estrategias de enseñanza alternativas: el uso de programación y métodos numéricos en macroeconomía aplicada*
XIV Jornadas sobre Docencia de Economía Aplicada, Asociación Libre de Economía, Madrid.

Feb. 2018   Poster of supervised Master's Thesis (Student David Perea)*:*
Aplicación de aprendizaje automático en dos casos de política española
XIV Jornadas sobre Docencia de Economía Aplicada, Madrid

Feb. 2017   Poster of Degree's final work:
¿Adelanta el turismo al crecimiento económico de las CC.AA.?
XIII Jornadas sobre Docencia de Economía Aplicada, Madrid

TEACHING AWARDS AND MERITS

2018   *Mención especial a la Innovación Docente*. Evaluando estrategias de enseñanza alternativas: el uso de programación y métodos numéricos en macroeconomía aplicada.
XIV Jornadas sobre Docencia de Economía Aplicada.
Asociación Libre de Economía. Madrid.

MANAGEMENT POSITIONS

2017 – 2022   Member of the Commission for the Guarantee of Quality, PhD. in Economics, Business, Finance and Computer Science. Universidad de Huelva and Universidad Internacional de Andalucía

2017 – 2021   Member of the Commission for the Guarantee of Quality, Faculty of Business Administration and Tourism. Universidad de Huelva

2017 – 2021	Member of the Commission for the Guarantee of Quality, MSc. in Economics, Finance and Computer Science. Universidad de Huelva and Universidad Internacional de Andalucía
2017 – 2021	Member of the Board of the Department of Economics. Universidad de Huelva

PERSONAL SKILLS

LANGUAGES

Spanish: Native.
English: Fluent. C1 level certificated by the British Council.
German: Basic.

ECONOMETRIC SOFTWARE

- Proficient in Matlab, Gauss and Stata.
- Intermediate in E-views, R and Gretl.
- Intermediate in database language SQL (Oracle) and programming language Python.

REFERENCES

Dr. Máximo Camacho, Universidad de Murcia, mcamacho@um.es
Dr. Emilio Congregado, Universidad de Huelva, congregado@uhu.es
Dr. Concepción Román, Universidad de Huelva, concepcion.roman@dege.uhu.es