

## CURRICULUM VITAE

Rocío Sánchez Mangas

November 2024

### Contact information

Professional address: Dpto. de Análisis Económico: Economía Cuantitativa  
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### Education

Ph.D. in Economics. Universidad Carlos III de Madrid. 2003. Extraordinary Award.  
B.A. in Economics. Universidad de Valladolid, Spain, 1995.

### Professional experience

Associate Professor (Prof. Titular de Universidad). Department of Economic Analysis: Quantitative Economics. Universidad Autónoma de Madrid. Since November 2011.

Associate Professor (Prof. Contratado Doctor). Department of Economic Analysis: Quantitative Economics. Universidad Autónoma de Madrid. October 2008 - November 2011.

Assistant Professor (Prof. Ayudante Doctor). Department of Economic Analysis: Quantitative Economics. Universidad Autónoma de Madrid. October 2004-September 2008.

Teaching Assistant (Prof. Ayudante). Department of Statistics and Econometrics. Universidad Carlos III de Madrid. October 1995– September 2003.

### Sexenios

Tres sexenios de investigación reconocidos: 2003-2008, 2009-2014, 2015-2020.

### Publications in academic refereed journals

#### *JCR papers:*

Blázquez, M., Pérez-Navarro, M. and Sánchez-Mangas, R. (2024). Overeducation under different macroeconomic conditions: How Spanish university graduates fit in the labour market?. *Journal of Policy Modeling*, forthcoming. (doi: <https://doi.org/10.1016/j.jpolmod.2024.10.001>)

Blázquez, M., and Sánchez-Mangas, R. (2023). General and COVID19-specific emotional stress: Religious practice as a potential coping strategy. *Economics & Human Biology*, 51, 101284 (doi: <https://doi.org/10.1016/j.ehb.2023.101284>)

López-Pérez, R., Pinter, A. and Sánchez-Mangas, R. (2022): “Some conditions (not) affecting selection neglect: Evidence from the lab”, *Journal of Economic Behavior and Organization*, 195, 140-157 (doi: <https://doi.org/10.1016/j.jebo.2021.12.036>)

- Sánchez-Mangas, R. and Sánchez-Marcos, V. (2021): "Wage growth across fields of study among young college graduates: is there a gender gap?", *CESifo Economic Studies*, 67(3), 251-274 (doi: <https://doi.org/10.1093/cesifo/ifa021>)
- García-Ferrer, A., Bujosa, M., de Juan, A. and Sánchez-Mangas, R. (2020): "Revisiting the relationship between traffic accidents, real economic activity and other factors in Spain", *Accident Analysis and Prevention*, 144, 105549 (doi: <https://doi.org/10.1016/j.aap.2020.105549>)
- Alonso-Borrego, C., Romero-Medina, A. and Sánchez-Mangas, R. (2017): "The impact of public research contracts on scientific productivity", *Applied Economics*, 49, 417-432 (doi: <https://doi.org/10.1080/00036846.2016.1200181>)
- Edwards, T., Sánchez-Mangas, R., Jalette, P., Lavelle, J. and Minbaeva, D. (2016): "Global standardization or national differentiation of HRM practices in multinational companies? A comparison of multinationals in five countries", *Journal of International Business Studies*, 47, 997-1021 (doi: <https://doi.org/10.1057/s41267-016-0003-6>)
- Carnero, A., Martínez, B. and Sánchez-Mangas, R. (2015): "Explaining transactions in time banks in economic crisis", *Applied Economics Letters*, 22 (9), 739-744 (doi: <https://doi.org/10.1080/13504851.2014.975323>)
- Edwards, T., Sánchez-Mangas, R., Bélanger, J. and McDonnell, A. (2015): "Why Are Some Subsidiaries of Multinationals the Source of Novel Practices while Others Are Not? National, Corporate and Functional Influences", *British Journal of Management*, 26 (2), 146-162 (doi: <https://doi.org/10.1111/1467-8551.12090>)
- Alfonso-Gil, J., Lacalle-Calderón, M. and Sánchez-Mangas, R. (2014): "Civil Liberty and Economic Growth in the World: a Long-Run Perspective, 1850-2010", *Journal of Institutional Economics*, 10 (3), 427-449 (doi: <http://dx.doi.org/10.1017/S1744137414000095>)
- Poncela, P., Guerrero, V.M., Islas, A., Rodríguez, J. and Sánchez-Mangas, R. (2014): "Combining Mexico's Monthly Inflation Predictions from a Professional Forecasters Survey", *CEPAL Review*, 113, 75-87 (doi: <http://hdl.handle.net/11362/37421>)
- Alonso-Borrego, C., Romero-Medina, A., Sánchez-Mangas, R. and Triossi, M. (2013): "Boosting scientific research: Evidence from a public program". *Revista de Economía Aplicada*, 62, 115-128 ([http://www.revecap.com/revista/numeros/62/alonso\\_romero\\_sanchez\\_triossi.html](http://www.revecap.com/revista/numeros/62/alonso_romero_sanchez_triossi.html))
- Edwards, P., Sánchez-Mangas, R., Tregaskis, O., Lévesque, C., McDonnell, A. and Quintanilla, J. (2013): "Human Resource Management Practices in the Multinational Company: A Test of System, Societal and Dominance Effects", *Industrial & Labor Relations Review*, 66(3), 588-617 (doi: <https://doi.org/10.1177/001979391306600302>)
- Marginson, P., Lavelle, J., Quintanilla, J., Adam, D. and Sánchez-Mangas, R. (2013): "Variation in Approaches to European Works Councils in Multinational Companies", *Industrial & Labor Relations Review*, 66 (3), 618-644 (<https://doi.org/10.1177/001979391306600303>)
- Arroyo, A.S.M., Sánchez-Mangas, R., García-Ferrer, A. and de Juan, A. (2013): "Lower posterior death probabilities from a quick medical response in road traffic accidents", *Journal of Applied Statistics*, 40, 40-58 (doi: <https://doi.org/10.1080/02664763.2012.727788>)
- Carnero, A., Martínez, B. and Sánchez-Mangas, R. (2012): "Mobbing and worker's health: an empirical analysis for Spain", *International Journal of Manpower*, 33(3), 322-339 (doi: <https://doi.org/10.1108/01437721211234183>)
- Pérez Hernández, J. and Sánchez-Mangas, R. (2011): "To have or not to have Internet at home: implications for online shopping", *Information Economics and Policy*, 23, 213-226 (doi: <https://doi.org/10.1016/j.infoecopol.2011.03.003>)

Poncela, P., Rodríguez, J., Sánchez-Mangas, R. and Senra, E. (2011): “Forecast combination through dimension reduction techniques”, *International Journal of Forecasting*, 27 (2), 224-237 (doi: <https://doi.org/10.1016/j.ijforecast.2010.01.012>)

Sánchez-Mangas, R., García-Ferrer, A., de Juan, A. and Martín Arroyo, A. (2010): “The probability of death in traffic accidents. How important is a quick medical response?” *Accident Analysis and Prevention*, 42 (4), 1048-1056. (doi: <https://doi.org/10.1016/j.aap.2009.12.012>)

Carnero, A., Martínez, B. and Sánchez-Mangas, R. (2010): “Mobbing and its determinants: the case of Spain”, *Applied Economics*, 42(29), 3777-3787. (doi: <https://doi.org/10.1080/00036840802360112>).

Sánchez-Mangas, R. and Sánchez-Marcos, V. (2008): “Balancing family and work: the effect of cash benefits for working mothers”, *Labour Economics*, 15 (6), 1127-1142. (doi: <https://doi.org/10.1016/j.labeco.2007.10.002>)

Quintanilla, J., Susaeta, L. and Sánchez-Mangas, R. (2008): “The diffusion of employment practices in multinationals: ‘Americanness’ within US multinationals in Spain”, *Journal of Industrial Relations*, 50(5), 680-696. (doi: <https://doi.org/10.1177/0022185608096804>)

#### *IN-RECS papers:*

Sánchez-Mangas, R. (2007): “La productividad en la sociedad de la información: impacto de las nuevas formas de organización del trabajo”, *Moneda y Crédito*, 225, 75-96.

#### **Book chapters**

“Malleability in Spain: The influence of US Human Resources development models” (with J. Quintanilla, M.J. Belizón and L. Susaeta), in *The Cultural Context of Human Resources Development*. Edited by Carol D. Hansen and Yih-teen Lee . Palgrave Macmillan Ed., 2009.

“La productividad en España: una perspectiva macroeconómica” (with Juan Francisco Jimeno), in *La productividad en la economía española* (Julio Segura, coordinador). Ed. Fundación Ramón Areces, 2006.

“La dinámica de la productividad de la industria española” (with Juan Francisco Jimeno), in *La productividad en la economía española* (Julio Segura, coordinador). Ed. Fundación Ramón Areces, 2006.

#### **Other publications**

Carnero, M. Á., Martínez, B., & Sánchez-Mangas, R. (2024). “Time Banking and Social Capital Creation: a Transaction Data Analysis”, *Revista Galega de Economía*, 33(1), 1-20.

Pérez Hernández, J. and Sánchez-Mangas, R. (2011): “Internet usage and adoption at the household level in Spain: Some thoughts for policy”, *BEIO (Boletín de Estadística e Investigación Operativa)*, 27(2), 113-124.

Quintanilla, J. Susaeta, L. and Sánchez-Mangas, R. (2010): “Políticas y Prácticas de RRHH en el contexto organizativo de la empresa multinacional: un análisis comparativo internacional”, IESE Business School and BBVA Foundation.

Quintanilla, J., Susaeta, L., Belizón, M.J. and Sánchez-Mangas, R. (2008): “Multinationals in Spain: where they are, where they come from and what they do”, BBVA Foundation, Newsletter 12, 1/2008.

Sánchez-Mangas, R. (2008): “TIC, composición del empleo, cambio organizativo y productividad”, *Economía Exterior*, 44, 37-43.

Sánchez-Mangas, R. (2004): “Estimación estructural de modelos dinámicos de decisión: Aplicación a decisiones de inversión bajo irreversibilidad”, *Estudios de Economía Aplicada*, 22 (2), 1-3.

Sánchez-Mangas, R. (2004): “GMM Estimation of a Production Function using Panel Data: An Application to Spanish Manufacturing firms”, *ICFAI Journal of Managerial Economics*, Vol. 2, 9-24.

## Work in progress

Herrarte, A., Pérez-Navarro, M.A. and Sánchez-Mangas, M. (2024): “Bringing qualified, long-term unemployed youth back into the labor market. Evidence from an ALMP in Madrid”. Manuscript.

## Conference presentations

8<sup>th</sup> International Association for Applied Econometrics, London, 21-24 June, 2022  
46<sup>th</sup> SAEe: Simposio de la Asociación Española de Economía, Barcelona, 16-18 December 2021  
EEA 2018: 33<sup>rd</sup> Meeting of the European Economic Association, Colonia, 27-31 August 2018  
42<sup>nd</sup> Simposio de Análisis Económico, Barcelona, 14-16 December 2017  
ISF 2016: International Symposium on Forecasting, Santander, 19-22 June 2016  
ASSET 2015: Association of Southern European Economic Theorists, Granada, 12-14 November 2015  
Workshop on Social and Labour Market Policy Evaluation, LISER, Luxembourg, 11-12 June 2015  
EARIE 2013: European Association for Research in Industrial Economics, Évora, 30 August – 1 Sep 2013  
XXXVII Simposio de Análisis Económico, Vigo, 13-15 December 2012  
31<sup>st</sup> International Symposium on Forecasting, Prague, 26-29 June 2011  
XXXV Simposio de Análisis Económico, Madrid, 16-18 December 2010  
XCIX Conference of the Applied Econometric Association, Roma, 28-29 May 2010  
XXXIV Simposio de Análisis Económico, Valencia, 10-12 December 2009 29<sup>th</sup>  
ISF 2009, International Symposium on Forecasting, Hong Kong, 21-24 June 2009  
XXXIII Simposio de Análisis Económico, Zaragoza, 11-13 December 2008  
ASSET 2008: Association of Southern European Economic Theorists, Florence, 7-9 November 2008  
EEA 2008: 23<sup>rd</sup> Meeting of the European Economic Association, Milan, 27-31 August 2008  
Warsaw International Economic Meeting, Warsaw, 4-6 July 2008  
28<sup>th</sup> International Symposium on Forecasting, Nice, 22-25 June 2008  
XXXII Simposio de Análisis Económico, Granada, 13-16 December 2007  
2<sup>nd</sup> Workshop on Evaluation on Passive and Active Labor Market Policies, Nuremberg, 23-24 Nov 2007  
XXII National Conference of Labour Economics, Naples, 13-14 September 2007  
27<sup>th</sup> International Symposium on Forecasting, New York, 24-27 June 2007  
ESEM 2006: 61<sup>th</sup> Econometric Society European Meeting, Vienna, 24-28 August 2006  
V Jornadas sobre Políticas Demográficas y de Población, Zaragoza, 20-21 March 2006  
XXX Simposio de Análisis Económico, Murcia, 14-16 December 2005  
SOLE -EALE 2005: European Association of Labor Economics, San Francisco, 2-5 June 2005  
XXIX Simposio de Análisis Económico . Pamplona. 16-18 December 2004  
ESEM 2003: 58<sup>th</sup> Econometric Society European Meeting, Stockholm, 20-24 August 2003  
XXVII Simposio de Análisis Económico, Salamanca, 10-12 December 2002  
ESEM 2002: 57<sup>th</sup> Econometric Society European Meeting, Venice, 25-28 August 2002  
VIII Encontro de Novos Investigadores de Análise Económica, A Coruña, 10-12 July 2002  
XXVI Simposio de Análisis Económico , Alicante, 14-16 December 2001

## Seminar presentations

Universität Duisburg-Essen, Alemania (January 2023), Universidad de Valladolid (May 2019), Universidad Nacional de Colombia (October 2018), Universidad de Alcalá de Henares (March 2016), Universidad de Salamanca (October 2015), Universidad de Valladolid (December 2013). Universidad Complutense de Madrid (May 2013), Universitat Rovira i Virgili (December 2011), Universidad de Vigo (April 2009), CEMFI (March 2007), Universidad de La Laguna (September 2005), Universidad Autónoma de Madrid. October 2004, May 2004, April 2004, March 2003), Universidad de Navarra (March 2003), Universitat de les Illes Balears (January 2003), Universidad de Vigo (May 2002), Universidad Pública de Navarra (March 2002), Universitat Autònoma de Barcelona (January 2002).

## Scholarships and Fellowships

Visiting Fellow. Department of Economics. European University Institute. March-Sep 2006.

Visiting Scholar. Department of Economics. Boston University. Sep-Dec. 2000.

Visiting Scholar. London School of Economics, July-August 1997.

## Funded research projects

*Role: Main researcher*

“The relationship between traffic accidents and fatalities and economic activity. Comparative study in Colombia and Spain”, Universidad Autónoma de Madrid and Banco Santander, 2017. IP: Rocío Sánchez-Mangas (Universidad Autónoma de Madrid). Ref: CEAL-AL/2017-23.

“Epidemiological study of traffic accidents in Spain: death probability and emergency service delay. Forecasting of accidents series”, Universidad Autónoma de Madrid and Comunidad de Madrid. 2008. IP: Rocío Sánchez-Mangas (Universidad Autónoma de Madrid). Ref: CCG07-UAM/HUM-1918

“Human Resources practices in the organizational context of the multinational firm: a survey for Spain”, OTRI (UAM) - IESE, 2005-2008. IPs: Javier Quintanilla Alboreca (IESE Business School) and Rocío Sánchez-Mangas (Universidad Autónoma de Madrid).

*Role: Member of the research project*

“Análisis de datos en predicción y análisis Económico”. IP: Pilar Poncela (Universidad Autónoma de Madrid). Ref: Grant PID2022-139614NB-C21. Agencia Estatal de Investigación.

“Nuevos métodos econométricos para predicción macroeconómica y análisis de políticas”. IP: Pilar Poncela (Universidad Autónoma de Madrid). Ref: Grant PID2019-108079GB-C22. Plan Nacional I+D+i, Spanish Ministry of Science and Innovation.

“Analysis of economic activity through indicators. Labour market and policy evaluation”. IPs: Pilar Poncela and Antonio García Ferrer (Universidad Autónoma de Madrid). Ref: Grant ECO2015-70331-C2-1-R). Plan Nacional I+D+i, Spanish Ministry of Science and Innovation.

MADECO (Madrid Economics). Comunidad de Madrid. IP: Carlos Velasco (Universidad Carlos III de Madrid). Ref: S2015/HUM-3444

“Nuevos metodos de predicción para datos macroeconómicos y financieros utilizando modelos factoriales dinámicos e indicadores adelantados de actividad”. IP: Antonio García Ferrer (Universidad Autónoma de Madrid). Ref: ECO2012-32854. Plan Nacional I+D+i, Spanish Ministry of Science and Technology.

“Can the population forecasts in Mexico be improved? Socioeconomic forecast combination”, Proyectos de Cooperación Universitaria UAM-Fundación Banco Santander con América Latina, 2011. IP: Pilar Poncela (Universidad Autónoma de Madrid). Ref: CEAL-AL/2011-28

“New methods for the selection of leading economic indicators in the estimation and forecasting of multivariate factor models”, Spanish Ministry of Education and Science, 2010-2012. IP: Antonio García Ferrer (Univ. Autónoma de Madrid). Ref: ECO2009-10287. Plan Nacional I+D+i.

“INTREPID - Employment Relations in Multinational Companies: Cross National Comparative Analysis”, funded by the European Commission, FP7 – Marie Curie International Staff Exchange Scheme, February 2009 - December 2012. IP: Patrick Gunnigle (University of Limerick). Ref: PIRSES-GA-2008-230854

“Human Resources practices in the organizational context of the multinational firm: an international comparative analysis”, funded by Fundación BBVA. 2007-2010. IP: Javier Quintanilla (IESE Business School)

“Forecasting economic series through dimension reduction techniques”, funded by Universidad Autónoma de Madrid and Comunidad de Madrid. 2007. IP: Pilar Poncela (Universidad Autónoma de Madrid). Ref: CCG06-UAM/HUM-0452.

“Non-stationary dynamic factor models and ICA models: identification, estimation and forecasting of multivariate economic series”, Spanish Ministry of Education and Science, 2004-2007. IP: Antonio García Ferrer (Universidad Autónoma de Madrid). Ref: SEJ2006-049457. Plan Nacional I+D+i.

"Stochastic population forecasting: new estimation algorithms and economic applications", funded by Universidad Autónoma de Madrid and Comunidad de Madrid. 2006. IP: Antonio García Ferrer (Universidad Autónoma de Madrid). Ref: CMUAM09/SHD/011.

“Productivity growth in Spain: determinants and effects”, funded by Fundación Ramón Areces, 2003-2004. IP: Julio Segura (Bank of Spain)

“Dynamic models, regimes and institutions: applications to labor market, growth theory and industrial organization”, Spanish Ministry of Science and Technology, 2003-2006. IP: César Alonso Borrego (Universidad Carlos III de Madrid). Ref: BEC2003-03943. Plan Nacional I+D+i.

“Dynamic models, regimes and institutions: applications to labor market and industrial organization”, Spanish Ministry of Education and Science, 2000-2003. IP: César Alonso Borrego (Universidad Carlos III de Madrid). Ref: BEC2000-0170. Plan Nacional I+D+i.

“Applications of empirical processes, smoothing techniques and bootstrap methods to the specification and validity of econometric models”, Spanish Ministry of Education and Science, 1995-1998. IP: Miguel Delgado (Universidad Carlos III de Madrid). Ref: PB95-0292. Plan Nacional I+D+i.

### **Doctoral Thesis supervision**

Marco A. Pérez Navarro (co-supervised with Maite Blázquez, UAM). In progress.

Lucía Cobreros (co-supervised with Caterina Calsamiglia, Barcelona School of Economics, IPEG). In progress.

Javier Martínez-Santos (co-supervised with Jorge García-Hombrados, Universidad Autónoma de Madrid). In progress.

### **Refereeing activity**

Referee for: *Labour Economics*, *European Economic Review*, *Journal of Applied Econometrics*, *International Journal of Forecasting*, *PLOS ONE*, *Public Choice*, *Applied Economic Analysis*, *Bank of Spain Working Paper Series*, *Moneda y Crédito*, *Cuadernos de Economía*, *SERIEs Journal of the Spanish Economic Association*, *Journal of Transportation Research*, *Journal of Applied Statistics*, *Telecommunications Policy*, *European Journal of Health Economics*, *Traffic Injury Prevention*, *Safety Science*, *Applied Economic Analysis*, *Journal of Environmental and Public Health*.

Referee for AEI (Spanish National Research Agency), area Economics (2006-2010, 2019-2023).

### **Teaching activity**

Microeconometrics. Impact evaluation methods. Master in Quantitative Economic Analysis. Universidad Autónoma de Madrid. 2020/2024.

Microeconometrics: Discrete choice and panel data models (with Prof. William H. Greene), Advanced courses in economics, Universidad Autónoma de Madrid, May 2015.

Microeconometrics. Master in International Economics, Universidad Autónoma de Madrid, 2010-2020

Impact evaluation with microdata. Master in International Economics, Universidad Autónoma de Madrid, 2017-2019.

Econometric methods. Master in Development Economics and Public Policy. Universidad Autónoma de Madrid, 2008-2010, 2015-2023.

Econometrics I. B.S. in Economics and B.S. in Economics and Finance, several academic years.

Econometrics II. BS in Economics and B.S. in Economics and Finance. Universidad Autónoma de Madrid, several academic years.

Introduction to Econometrics, Econometrics I, Econometrics II, Applied Econometrics, Advanced Econometrics. B.S. in Economics, Universidad Autónoma de Madrid, 2004-2019.

Microeconometrics. Master in Economics and Finance. Universidad de Navarra. 2004-2011.

Estimation of econometric models with STATA. BBVA Research. 2011. Bank of Spain 2013, 2016.

Course on STATA. AIReF. November 2015.

Panel Data models. Empirical applications using STATA. BBVA Research. 2012.

Introduction to STATA. Department of Economics and International Relations, Bank of Spain (2003-2016, several editions) and at the Department of Business Administration, Universidad de Cantabria, 2001.

STATA: Basic concepts and estimation of econometric models. Centro para el Desarrollo Tecnológico Industrial (CDTI). 2006.

Statistics and Econometrics. Ministerio de Hacienda, Malabo, Guinea Ecuatorial. November 2006 and January 2007.

T.A.: Introduction to Statistics, Statistics I, Statistics II, Regression Methods, Econometrics I, Econometrics III, Advanced Econometrics. Department of Statistics and Econometrics. Universidad Carlos III de Madrid, 1996-2003.