

**Curriculum Vitae Jordi Gumà-Lao**  
(12<sup>th</sup> of March 1977, Barcelona, Spain)

## Professional Experience

### Research Interests

Health inequalities ; Social determinants of health ; Gender inequalities ; Social inequalities; Causal mechanisms; Population ageing; life expectancy and healthy life expectancy; Machine Learning techniques.

### Current and Previous Positions

- 01/09/2022-28/02/2023. Researcher at the ERC Project HEALFAM led by Anna Baranowska-Rataj, Department of Sociology, Umeå University (Umeå, Sweden)
- 01/09/2019-31/08/2022. PI of the R&D research project, Department of Political and Social Science, University Pompeu Fabra (Barcelona, Spain)
- 01/07/2017-30/06/2019. Post-doctoral Fellowship Juan de la Cierva (Spanish Ministry of Science and Innovation) Research and Expertise Centre for Survey Methodology (RECSM), University Pompeu Fabra (Barcelona, Spain)
- 01/02/2016-30/06/2017. Research Scientist, Research and Expertise Centre for Survey Methodology (RECSM), University Pompeu Fabra (Barcelona, Spain)
- 01/09/2014- 31/01/2016. Research Assistant, Centre d'Estudis Demogràfics, Autonomous University of Barcelona (Barcelona, Spain)
- 01/10/2011- 30/07/2014. Pre-doctoral Fellowship, Centre d'Estudis Demogràfics, Autonomous University of Barcelona (Barcelona, Spain)

### Education

- 01/10/2011- 11/07/2014. PhD. in Demography (Summa cum laude), Geography Department, Autonomous University of Barcelona, Spain. Supervisor: Dr Rocío Treviño and Dr. Antonio-David Cámara.
- 07/09/2010-30/07/2011. M.Sc. in Demography (60 credits), Department of Economic Demography, Lund University, Sweden. Supervisor: Pr. Tommy Bengtsson
- 01/09/2009–01/09/2011. M.A. in Regional and Population Studies (60 credits), School of Philosophy and Arts, Autonomous University of Barcelona, Spain. Supervisor: Dr Antonio-David Cámara
- 01/09/2005–31/12/2008. B.A. in Research Market, Open University of Catalonia, Spain.
- 01/09/1996-01/09/1999. B.A. in Statistics, Autonomous University of Barcelona, Spain

### Participation in Funded Research Projects

- 2022-. The effects of unemployment on health of family members (HEALFAM). 2021-2025. PI: Anna Baranowska-Rataj. Funding Institution: European Research Council (ERC). Starting Grant. Researcher
- 2019-. Prevention is better than cure when ageing is behind the door: interplay between social determinants of health in Spain (INTERSOC). 2019-2022. PI: Jordi Gumà. Funding Institution: Spanish National Programme for Research
- 2017-. Care, retirement and wellbeing of older people across different welfare regimes (CREW). 2017-2019. PI: Bruno Arpino. Funding Institution: European Project JPI More Years, Better Lives 2016: “Welfare, wellbeing, and Demographic change: Understanding the welfare models”. Researcher
- 2016-. Grandparenting and successful ageing (GRANSAGE). 2016-2017. PI: Bruno Arpino. Funding Institution: Spanish Ministry of Economy and Competitiveness (MINECO). Research scientist
- 2016-. Anàlisi demogràfica de les desigualtats socioeconòmiques de la salut a Catalunya, en el context de la darrera crisi econòmica: gènere, generació i territori (Demographic analysis of the socio-economic

- inequalities of health in Catalonia, in the context of the last economic crisis: gender, generation and territory). 2016-2017. PI: Jeroen Spijker. Funding Institution: Recercaixa. Co-researcher
- 2015.- Residential mobility, sociodemographic selection and population substitution: Towards the polarization of Spanish cities? 2015-2018. PI: Antonio López. Funding Institution: Spanish Ministry of Economy and Competitiveness (MINECO). Researcher (2015)
- 2015.- Five Centuries of Marriages (5CofM). 2011-2016. PI: Anna Cabré. Funding Institution: ERC Advanced Grant. Researcher (2015)
- 2011.- Implicaciones sociodemográficas de las condiciones de salud en las edades adultas (Sociodemographic implications of health conditions in adulthood). 2010-2011. PI: Amand Blanes. Funding Institution: Spanish Ministry of Economy and Competitiveness (MINECO). Research assistant (2011)
- 2010.- Hogares de familias reconstituidas y equidad de género: ¿nuevas paradojas? (Reconstituted Family Homes and Gender Equity: New Paradoxes?). 2010-2012. PI: Rocío Trevio. Funding Institution: Spanish Ministry of Economy and Competitiveness (MINECO). Research assistant (2010-2012)
- 2002.- European research on social capital, income inequalities and health. 2001-2002. PI: Vicenç Navarro. Funding Institution: European Commission. Research technician (2002)

## Publications

### Peer-reviewed articles:

- Gumà-Lao, J., & Arpino, B. (2023). A machine learning approach to determine the influence of specific health conditions on self-rated health across education groups. *BMC Public Health*, 23(1), 1-11. (SJR 2021- Public Health, Environmental and Occupational Health Q1 Impact Factor: 1.16).
- Solé-Auró, A., & Gumà, J. (2022). (Healthy) Aging Patterns in Europe: A Multistate Health Transition Approach. *Journal of Population Ageing*, 1-23.
- Fernández-Carro, C., & Gumà, J. (2022). A Life-Course Approach to the Relationship Between Education, Family Trajectory and Late-Life Loneliness Among Older Women in Europe. *Social Indicators Research*, 162(3), 1345-1363. (SJR 2021- Social Sciences Q1 Impact Factor: 0.9).
- Gumà, J. (2022). The influence of economic factors on the relationship between partnership status and health: A gender approach to the Spanish case. *International Journal of Environmental Research and Public Health*, 19(5), 2975. (SJR 2021- Public Health, Environmental and Occupational Health Q2 Impact Factor: 0.8).
- Fernández-Carro, C. & Gumà, J. (2022). ¿Influyen las trayectorias familiares en la calidad de vida percibida en la vejez? (*Do family trajectories influence the quality of life perceived in old age?*). *Revista Española de Sociología* 31(2), 3. (SJR 2020- Sociology and Political Science- Q2 Impact Factor: 0.26).
- Gumà, J., & Arpino, B. (2021). Satisfacción con la vida según la contribución a la esfera pública y privada en las parejas españolas adultas (*Life satisfaction according to the contribution to the public and private spheres among adult Spanish couples*). *Revista Internacional de Sociología*, 79(1), e177-e177. (SJR 2020- Social Sciences –Miscellaneous- Q2 Impact Factor: 0.26).
- Gumà, J. (2021). What influences individual perception of health? using machine learning to disentangle self-perceived health. *SSM-Population Health*, 16, 100996. (SJR 2021- Health (Social Science) Q1 Impact Factor: 1.25).
- Gumà, J., & Fernández-Carro, C. (2021). Life goes on: The influence of the perceived quality of social relations on older women's mental health after the loss of a partner in Europe. *Aging & mental health*, 25(1), 53-60. (SJR 2020- Gerontology Q1 Impact Factor: 0.99).
- Gumà, J., & Spijker, J. (2021). Are partner's features important to understand health at older ages? The Spanish case. *Gaceta Sanitaria*, 35(2), 193-198. (SJR 2020- Public Health, Environmental and Occupational Health Q3 Impact Factor: 0.42).
- Gumà, J., & Spijker, J. (2020). Until Death Do Us Part. The Influence of Own and Partner's Socioeconomic Status on the Health of Spanish Middle-Aged Population. *International Journal of Environmental Research and Public Health*, 17(13), 4644. (SJR 2020- Public Health, Environmental and Occupational Health Q2 Impact Factor: 0.75).
- Gumà, J., Solé-Auró, A., & Arpino, B. (2019). Examining social determinants of health: the role of education, household arrangements and country groups by gender. *BMC public health*, 19(1), 699. (SJR 2019- Public Health, Environmental and Occupational Health Q1 Impact Factor: 1.2).

- Gumà, J.,** Arpino, B., & Solé-Auró, A. (2019). Determinantes sociales de la salud de distintos niveles por género: educación y hogar en España (*Social determinants of health at different levels by gender: education and household in Spain*). *Gaceta Sanitaria*, 33, 127-133. (SJR 2019- Public Health, Environmental and Occupational Health Q3 Impact Factor: 0.42).
- Arpino, B., **Gumà, J.,** & Julià, A. (2018). Family histories and the demography of grandparenthood. *Demographic Research*, 39, 1105-1150. (SJR 2018- Demography Q1 Impact Factor: 1.27).
- Arpino, B., **Gumà, J.,** & Julià, A. (2018). Early-life conditions and health at older ages: The mediating role of educational attainment, family and employment trajectories. *PloS one*, 13(4), e0195320. (SJR 2018- Medicine –miscellaneous- Q1 Impact Factor: 1.1).
- Spijker, J., & **Gumà, J.** (2018). El efecto de la crisis económica sobre la salud en España según el nivel educativo y la relación con la actividad: ¿ importa también la duración de la crisis? (*The effect of the economic crisis on health in Spain according to the educational level and the relationship with the activity: does the duration of the crisis also matter?*). *Salud colectiva*, 14, 655-670. (SJR 2018- Public Health, Environmental and Occupational Health Q3 Impact Factor: 0.25).
- Spijker, J., & **Gumà, J.** (2018). ¿Positiva o negativa para la salud poblacional?: Respuestas al debate sobre las dos caras de cómo una crisis económica afecta la salud a partir del caso español (Is it *positive or negative for population health ?*: Responses to the debate on the two sides of how an economic crisis affects health in the Spanish case). *Salud colectiva*, 14, 689-693. (SJR 2018- Public Health, Environmental and Occupational Health Q3 Impact Factor: 0.25).
- Gumà, J.,** & Blanes, A. (2018). Diferencias entre mujeres y hombres en la asociación entre la salud autopercebida y la mortalidad en las edades adultas en Europa (*Differences between women and men in the association between self-perceived health and mortality in adulthood in Europe*). *Empiria: Revista de metodología de ciencias sociales*, (39), 129-148. (SJR 2018- Social Sciences –miscellaneous- Q3 Impact Factor: 0.19).
- Gumà, J.,** Treviño, R., & Cámara, A. D. (2015). Posición en el hogar y género. Desigualdades en la calidad de vida relacionada con la salud entre la población adulta en España (*Household position and gender. Inequalities in health-related quality of life among the adult population in Spain*). *Revista Internacional de Sociología*, 73(1), 003. (SJR 2015- Social Sciences –miscellaneous- Q2 Impact Factor: 0.27).
- Guma, J.,** Cámara, A. D., & Treviño, R. (2015). The relationship between health and partnership history in adulthood: insights through retrospective information from Europeans aged 50 and over. *European journal of ageing*, 12(1), 71-79. (SJR 2015- Health –Social Sciences- Q1 Impact Factor: 0.78).
- Gumà, J.,** & Cámara, A. D. (2014). ¿ Informa la salud autopercebida sobre las condiciones objetivas de salud? Algunas conclusiones a partir del análisis demográfico de microdatos de la Encuesta Nacional de Salud. *Estadística española*, 56(183), 61-76.
- Porcel, S., & **Gumà, J.** (2014). L'Estructura social juvenil a Catalunya: una anàlisi de la diversitat de la vulnerabilitat social entre els joves catalans (*Social structure of youth in Catalonia: an analysis of the diversity of social vulnerability among young Catalans*). *Revista Catalana de Sociologia*, 23-34.
- Treviño, R., & **Gumà, J.** (2013). De la monoparentalitat a la reconstitució familiar: una anàlisi a partir de fonts transversals. *Papers: revista de sociologia*, 98(2), 287-309.
- Navarro, V., Borrell, C., Benach, J., Muntaner, C., Quiroga, A., Rodríguez-Sanz, M., **Guma, J.,** Vergés, N. & Pasarin, M. I. (2007). El impacto de la política en la salud. *Salud colectiva*, 3, 9-32.
- Navarro, V., Borrell, C., Benach, J., Muntaner, C., Quiroga, A., Rodríguez-Sanz, M., **Guma, J.,** Vergés, N. & Pasarin, M. I. (2003). The importance of the political and the social in explaining mortality differentials among the countries of the OECD, 1950–1998. *International Journal of Health Services*, 33(3), 419-494. (SJR 2003- Health Policy Q1 Impact Factor: 0.81).

#### Peer-reviewed book chapters:

- Oksuzyan, A., **Gumà, J.,** & Doblhammer, G. (2018). Sex differences in health and survival. In *A demographic perspective on gender, family and health in Europe* (pp. 65-100). Springer, Cham.
- Doblhammer, G., & **Gumà, J.** (2018). Gender differences in the relationship between household position and health in twelve European countries: are they associated with the value climate?. In *A demographic perspective on gender, family and health in Europe* (pp. 103-131). Springer, Cham.

## Edited books:

Doblhammer, G., & Gumà, J. (2018). A demographic perspective on gender, family and health in Europe. Springer Nature.

## Grants and Fellowships

- 2022 Mobility Programme José Castillejo. Research stay at the Department of Statistics, Computer Science, Applications of the University of Firenze (Italy).
- 2019-22 Spanish National Programme for Research. PI of the R&D research project, Barcelona.
- 2015 Travel Grant from the Max Planck Institute for Demographic Research (MPIDR) to participate in the Third Conference of the Rostocker Ring, Rostock, Germany (31/08-01/09)
- 2013 Travel Grant from the Max Planck Institute for Demographic Research (MPIDR) to participate in the Third Demosoc Meeting, Rostock, Germany (01/05-15/05)
- 2012 Travel Grant from the Max Planck Institute for Demographic Research (MPIDR) to participate in the Second Demosoc Meeting, Rostock, Germany (15/04-01/05)
- 2011 Travel Grant from the Max Planck Institute for Demographic Research (MPIDR) to participate in the First Demosoc Meeting, Rostock, Germany (15/11-01/12)
- 2011 Fellowship of Spanish Ministry of Education, Spain, Pre-doctoral research stay at the Centre of Economic Demography, University of Lund, Sweden, (January-June)

## Prizes

- 2021 Awarded with the accreditation as associate professor by the Agència per a la Qualitat del Sistema Universitari de Catalunya (see: <http://www.aqucatalunya.org>).
- 2019 Awarded with the accreditation as professor lector (lecturer) by the Agència per a la Qualitat del Sistema Universitari de Catalunya (see: <http://www.aqucatalunya.org>).
- 2018 Awarded with the accreditation as professor lector (lecturer) by the Spanish Agencia Nacional de Evaluación de la Calidad y Acreditación (ANECA) (see: <http://www.aneca.es>).
- 2015 Awarded with the Best Paper in 2015 of the Revista Internacional de Sociología (RIS). Spain

## Teaching Activities

- 2022 Lecturer. Research Data Analysis Seminar course (30 hours), University Pompeu Fabra, Spain, Master level (Master in Sociodemography)
- Lecturer. Descriptive Statistics (20 hours), University Pompeu Fabra, Spain, undergraduate level (Bachelor in Criminology and Public Prevention Policies)
- STATA (8 hours), Research and Expertise Centre for Survey Methodology (RECSM), University Pompeu Fabra, Spain. Summer School RECSM
- Population Health and Well-Being consequences of Demographic Changes (15 hours), Barcelona International Summer School (BISS) ), University Pompeu Fabra, Spain
- 2021 Lecturer. Research Data Analysis Seminar course (30 hours), University Pompeu Fabra, Spain, Master level (Master in Sociodemography)
- Lecturer. Quantitative Methods (30 hours), University Pompeu Fabra, Spain, Master level (Master in Criminology)
- Lecturer. Descriptive Statistics (20 hours), University Pompeu Fabra, Spain, undergraduate level (Bachelor in Criminology and Public Prevention Policies)
- STATA (8 hours), Research and Expertise Centre for Survey Methodology (RECSM), University Pompeu Fabra, Spain. Summer School RECSM
- Population Health and Well-Being consequences of Demographic Changes (15 hours), Barcelona International Summer School (BISS) ), University Pompeu Fabra, Spain.
- 2020 Lecturer. Research Data Analysis Seminar course (30 hours), University Pompeu Fabra, Spain, Master level (Master in Sociodemography)
- Lecturer. Quantitative Methods (30 hours), University Pompeu Fabra, Spain, Master level (Master in Criminology)

- Lecturer. Descriptive Statistics (20 hours), University Pompeu Fabra, Spain, undergraduate level (Bachelor in Criminology and Public Prevention Policies)  
STATA (4 hours), Research and Expertise Centre for Survey Methodology (RECSM), University Pompeu Fabra, Spain. Summer School RECSM
- 2019 Lecturer. Research Data Analysis Seminar course (30 hours), University Pompeu Fabra, Spain, Master level (Master in Sociodemography)  
Lecturer. Quantitative Methods (30 hours), University Pompeu Fabra, Spain, Master level (Master in Criminology)  
Lecturer. Descriptive Statistics (20 hours), University Pompeu Fabra, Spain, undergraduate level (Bachelor in Criminology and Public Prevention Policies)  
STATA (4 hours), Research and Expertise Centre for Survey Methodology (RECSM), University Pompeu Fabra, Spain. Summer School RECSM
- 2018 Lecturer. Research Data Analysis Seminar course (30 hours), University Pompeu Fabra, Spain, Master level (Master in Sociodemography)  
Lecturer. Quantitative Methods (30 hours), University Pompeu Fabra, Spain, Master level (Master in Criminology)  
Lecturer. Descriptive Statistics (20 hours), University Pompeu Fabra, Spain, undergraduate level (Bachelor in Criminology and Public Prevention Policies)  
STATA (4 hours), Research and Expertise Centre for Survey Methodology (RECSM), University Pompeu Fabra, Spain. Summer School RECSM
- 2017 Lecturer. Research Data Analysis Seminar course (30 hours), University Pompeu Fabra, Spain, Master level (Master in Sociodemography)  
Lecturer. Quantitative Methods (30 hours), University Pompeu Fabra, Spain, Master level (Master in Criminology)  
STATA (4 hours), Research and Expertise Centre for Survey Methodology (RECSM), University Pompeu Fabra, Spain. Summer School RECSM

## Other activities

### *Review Activities*

Referee for the Advances in Life Course Research; Aging & Mental Health; BMC Pregnancy and Childbirth; BMC Public Health; BMJ Open; Demographic Research; European Journal of Ageing; European Sociological Review; Experimental Gerontology; Genus ; International journal of environmental research and public health; Population Studies; Revista de Demografía Histórica; Revista Internacional de Sociología; Revista Latinoamericana de Población; SSM-Population Health; Wellbeing, Space and Society; The Journals of Gerontology.

Member of the Editorial board of the journal PlosOne. Sections: Sociology and Demography

### *Supervision*

2018-2021. Tutor for the Master Thesis, University Pompeu Fabra, Spain, Master level. 8 students supervised

### *Visiting Research Stays*

- 2022 José Castillejo Mobility Grant, Department of Statistics, Computer Science, Applications of the University of Firenze, Italy. (1/02/2022- 31/07/2022)
- 2015 Visiting Fellow, Max Planck Institute for Demographic Research, Rostock, Germany. (1/10/2015-20/12/2015)
- 2013 Research stay for completion of the DEMOSOC program (three weeks) at the Max Planck Institute for Demographic Research, Rostock, Germany
- 2012 Research stay for completion of the DEMOSOC program (six weeks) at the Max Planck Institute for Demographic Research, Rostock, Germany
- 2011 Research stay for completion of the DEMOSOC program (two weeks) at the Max Planck Institute for Demographic Research, Rostock, Germany

- 2010/11 Research stay for completion of the EDSO program (9 months) at the Department of Economic Demography, Lund University, Sweden
- 2010 Research stay for completion of the EDSO program (2 months) at the Max Planck Institute for Demographic Research, Rostock, Germany

*Other Academic Activities*

- 2020 Jury Member for Master Thesis, Department of Political and Social Sciences, University Pompeu Fabra, Spain.
- 2020 Jury Member for a PhD Dissertation, Department of Geography, Autonomous University of Barcelona, Spain.
- 2019 Member of the Evaluation Committee of the Programa Estatal Proyectos de I+D+i Retos
- 2019 Member of the Evaluation Committee of the Fundación Pública Andaluza Centro de Estudios Andaluces. Proyectos de I+D+i
- 2019 Jury Member for Master Thesis, Department of Political and Social Sciences, University Pompeu Fabra, Spain.
- 2018 Jury Member for Master Thesis, Department of Political and Social Sciences, University Pompeu Fabra, Spain.
- 2018 Jury Member for a PhD Dissertation, Department of Geography, Autonomous University of Barcelona, Spain.

*Language skills*

Spanish and Catalan: Native / English: Fluent

*Membership in scientific societies and research networks*

European Association of Population Studies-EAPS

International network on health expectancies and the disablement process (REVES)

Italian Association for Population Studies (AISP)

Member of:

- Research group on Public Opinion, Voting and Survey Methodology (RECSM)
- Sociodemography Research Group (UPF)