

Sofia Ruiz Palazuelos

Born: 19th June, 1991

Research Interests:: *Networks, Game Theory, Labor Economics, Network Cognition, Network Diffusion*

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Aix–Marseille School of Economics

(Aix-Marseille University)

424 Chemin du Viaduc, 13080

Aix-en-Provence

Academic Positions

Postdoctoral Fellow

Aix-Marseille School of Economics

September 2021–currently

Postdoctoral Fellow

University Pablo de Olavide, Seville

February 2021– August 2021

Education

Ph.D. in Economics (*cum laude*)

University of the Basque Country

International Doctor Mention

Thesis Committee: Coralio Ballester, Arnold Polanski and Norma Olaizola

2016–2021

M.A. in Education

University of Cantabria

2020–2021

M.Sc. in Economics

University of the Basque Country, Univesity of Cantabria and University of Oviedo

2014–2015

M.Sc. in Taxation

University of Cantabria

2013–2014

BA. in Economics (four-year degree)

University of Cantabria

2009–2013

- Erasmus Program: University of Vienna

2012–2013

Professional Degree in Piano

Conservatory of Music "Jesús de Monasterio"

1998–2009

Scholarships and Awards

National Scholarship for Doctoral Studies (FPU)

Ministry of Education, Spain

2016–2020

GamesNet Young Scholars' Competition

Gold Award to the paper *Network Perception in Network Games*

Total number papers submitted: 25

2020

Registration Fee Waiver

Annual conference of the Spanish Economic Association (SAEe) (twice)

2019, 2020

Extraordinary Award

First student in the Graduating Class of 2013. GPA: 9.18/10

School of Economics, University of Cantabria

2013

Babson College Entrepreneurship Program Award

Boston, USA

2014

Botín Foundation Scholarship for Undergraduate Studies

Sept. 2010–Aug. 2013

Cantabria Cooperera 1st Prize

Project: *Escuela "El Zapote Arriba", Ecuador*

2006

Research Stays

Bocconi University
Host: Fernando Vega Redondo

February-June 2018

Research

Publications

[1] Ruiz-Palazuelos, S. (2021). “Clustering in network games”. *Economics Letters*, 109922.

Working Papers

The impact of network cycles on employment and inequality

(joint with María Paz Espinosa and Jaromír Kovářik)

How do short network cycles—the building component of close-knit neighborhoods and the clustering coefficient—affect diffusion on networks? We explore this issue in labor markets by explicitly modeling the flow of information about vacancies in social networks. We show that short network cycles induce stochastic affiliation in the diffusion of job information, generating search frictions, with important microeconomic and macroeconomic consequences. Short network cycles affect inequality patterns within and across networked societies. In particular, they organize employment probabilities in the sense of the second-order stochastic dominance. *Ceteris paribus*, people in close-knit neighborhoods or dense networks exhibit worse and more unstable labor market outcomes. Since dense, overlapping neighborhoods is one aspect of strong relationships, we uncover a mechanism behind the strength of weak ties (Granovetter, 1973). Short network cycles induce further spacial and temporal correlations in employment status, shaping labor market transition rates and aggregate employment fluctuations.

Network perception in network games

People form cognitive maps about their networks from the information they have—mental representations of who is connected with whom in the network they are embedded in (Krackhardt, 1987). The aim of this paper is twofold. First, we explore the features of such cognitive maps in different setups of incomplete network information. We relate them with sociological notions of equivalence among nodes and identify a cognitive bias towards asymmetric network structures. We then explore the incidence that players’ network perception has on their equilibrium behavior and payoffs in the induced Bayesian Games. Manipulating information has largely non-monotonic effects on the structure and number of equilibria. However, the bias that players exhibit towards asymmetric network structures has influence both on their payoffs as well as on their equilibrium behavior.

Work in Progress

- Altruism in Networks with Endogenous Favor Exchange
- Measuring Social Cohesion in Networks

Participation in Research Projects

Public Economics and Welfare: Education, Health and the Labor Market

2021

Main Researcher: Paula González

BIRTE, Bilbao Research Team in Economics

2019-2020

Main Researcher: Aitor Antuñano

Energy Markets / Networks / Conflict Analysis / Political Economy

2016-2018

Main Researcher: Francisco Javier Gardeazábal

Seminars and Conferences

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| [1] Conference in honor of Juan J. Dolado, University Carlos III, Madrid. | <i>December 2021</i> |
| [2] Ecolunch Seminar, Aix-Marseille School of Economics. | <i>July 2021</i> |
| [3] Networks Conference, Indiana University and Network Science Institute, USA. | <i>July 2021</i> |
| [4] EEFS Annual Conference, University of London and FernUniversity, Hagen. | <i>July 2021</i> |
| [5] 20 th Journées Louis-André Gérard-Varet, Marseille. | <i>June 2021</i> |
| [6] 6 th Annual International Symposium on Economic Theory, Policy and Applications, Athens. | <i>June 2021</i> |
| [7] Seminar, University of Granada. | <i>March 2021</i> |
| [8] Annual conference of the Spanish Economic Association (SAEe), Salamanca. | <i>December 2020</i> |
| [9] GamesNet Young Scholars' Competition, India. | <i>December 2020</i> |
| [10] Meeting of the Association of the Southern European Economics Theorists (ASSET). | <i>October 2020</i> |
| [11] Annual conference of the Spanish Economic Association (SAEe), Alicante. | <i>December 2019</i> |
| [12] V Workshop for PhD students. University of the Basque Country, Bilbao. | <i>September 2019</i> |
| [13] Bilbao-Norwich-Málaga (BiNoMa), Workshop on Economics of Networks, Málaga. | <i>June 2017</i> |
| [14] Bilbonomics Seminars: Bilbao Research in Decision Games and Economics, Bilbao (Spain). | <i>May 2017</i> |
| [15] XIII Ortega and Gasset Summer School. "Introduction to University". International University Menéndez Pelayo, Santander. | <i>July 2013</i> |

Teaching

Centrale Marseille (*Master in Mathematics, Computer Science and Economics*):

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| Inequality: Data and Economic policy | <i>2021-2022</i> |
| Economics of Insurance | <i>2021-2022</i> |

University of the Basque Country (*Bachelor in Economics*):

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| Intermediate Microeconomics | <i>2019-2020</i> |
| Environmental Economics | <i>2017-2018; 2018-2019</i> |

University of Cantabria (*Bachelor in Economics*):

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| Public Finance | <i>2014-2015</i> |
| Personal Taxes | <i>2013-2014; 2014-2015</i> |
| Social Expenditure | <i>2013-2014; 2014-2015</i> |
| Economy and Management of Pensions and Dependency | <i>2014-2015</i> |
| Teaching Assistantships: | |
| • Personal Taxes | <i>2011-2012</i> |
| • Spanish Economy | <i>2011-2012</i> |

Academic Service

Andalusian Agency of Knowledge

Member of the Committee for Evaluation and Accreditation of University Degrees in Economics and Business

2016–currently

Annual Conference of the Spanish Economic Association (SAEe)

Assistant of local organizers

December 2018

Cantabria Campus Nobel

University of Cantabria and International University Menéndez Pelayo (UIMP).
Assistant of local organizers.

December 2012

Other Professional Experience:

Santander International Entrepreneurship Centre

Mentoring

2013–2014

Tax Revenue Service

Economist

May-June 2014

Languages

Spanish: Native

English: C1: Certificate in Advanced English, University of Cambridge

German: B2: Diploma from the Spanish Ministry of Education

Other Courses

[1] "Networks and Development". Bocconi University, Milan.

Spring 2018

[2] "Social and Economic Networks". Stanford University (via Coursera).

2017

[3] Intensive English Course. Level: C1. Emerald Institute, Dublin.

August 2014

[4] Entrepreneurship Course. EOI Business School

2013-2014

[5] Intensive German Course. Level: B1. University of Vienna.

September 2012

[5] Intensive German Course. Level: A2. University of Vienna.

September 2011

[6] Intensive German Course. Level: A1. Academy of Languages, Heidelberg.


July 2010

[7] "Management and Public Expenditure in the Fishery Sector". University of Cantabria.


July 2011

References

María Paz Espinosa

Department of Economics
University of the Basque Country
Contact: 

Jaromír Kovářík

Department of Economics
University of the Basque Country
Contact: 

Coralio Ballester

Department of Economics
University of Alicante
Contact: 