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	Placement Director <b>Libertad González-Luna</b> <a href="mailto:libertad.gonzalez@upf.edu">libertad.gonzalez@upf.edu</a> (+34) 93 542 2610	Graduate Coordinator <b>Marta Araque</b> <a href="mailto:marta.araque@upf.edu">marta.araque@upf.edu</a> (+34) 93 542 2226
FIELDS OF INTEREST	<b>Primary Fields:</b> Decision Theory, Behavioral Economics, Experimental Economics, and Industrial Organization <b>Secondary Fields:</b> Environmental Economics, Applied Econometrics, and Applied Theory	
EDUCATION	<b>Ph.D. in Economics</b> <span style="float: right;"><b>Expected: December 2022</b></span> Universitat Pompeu Fabra, Barcelona, (Spain) Advisors: Jose Apesteguia and Larbi Alaoui Visiting student: Erasmus School of Economics (Spring 2019) Invited and supervised by Prof. Peter P. Wakker	
	<b>M.Res. in Economics</b> <span style="float: right;"><b>August 2016</b></span> Universitat Pompeu Fabra, Barcelona, (Spain)	
	<b>M.A. in Economics</b> <span style="float: right;"><b>July 2015</b></span> Cornell University, Ithaca, New York (USA)	
	<b>B.Sc. in Economics</b> <span style="float: right;"><b>September 2011</b></span> Universitat Pompeu Fabra, Barcelona (Spain) Visiting student: Warwick University (2010-2011)	
REFERENCES	<b>Jose Apesteguia</b> (Advisor) ICREA-UPF and BSE <a href="mailto:jose.apesteguia@upf.edu">jose.apesteguia@upf.edu</a> (+34) 93 542 2521	<b>Larbi Alaoui</b> (Advisor) UPF and BSE <a href="mailto:larbi.alaoui@upf.edu">larbi.alaoui@upf.edu</a> (+34) 93 542 2842
	<b>Jan Eeckhout</b> ICREA-UPF and BSE <a href="mailto:jan.eeckhout@upf.edu">jan.eeckhout@upf.edu</a> (+34) 93 542 1748	<b>Peter P. Wakker</b> Erasmus School of Economics <a href="mailto:wakker@ese.eur.nl">wakker@ese.eur.nl</a> (+31) (0)10-408.12.65
TEACHING EXPERIENCE	UNDERGRADUATE:	
	<b>Mathematics I</b> <span style="float: right;"><b>2020</b></span> UPF, TA for Prof. Eulalia Nualart.	
	<b>Microeconomics I</b> <span style="float: right;"><b>2017</b></span> UPF, TA for Prof. Fabrizio Germano.	
	<b>Microeconomics II</b> <span style="float: right;"><b>2016 and 2018</b></span> UPF, TA for Prof. Inmaculada Rico.	
	<b>Introduction to Game Theory</b> <span style="float: right;"><b>2016</b></span> UPF, TA for Prof. Joan de Martí.	
	<b>Data Analysis</b> <span style="float: right;"><b>2016 and 2017</b></span> UPF, TA for Prof. Libertad González-Luna.	
	GRADUATE:	
	<b>Master Project Tutor</b> <span style="float: right;"><b>2019</b></span> BSE, TA for Prof. Larbi Alaoui.	

RESEARCH  
EXPERIENCE

**Research Assistant**

UPF, RA for Prof. Javier Arregui.

**March 2021 to February 2022**

**Research Assistant**

UPF, RA for Prof. Jan Eeckhout.

**September 2016 to September 2018**

**Research Assistant**

UPF, RA for Prof. Jorge Rodriguez.

**October 2015 to August 2016**

SCHOLARSHIPS,  
HONORS, AND  
AWARDS

**FPI Fellowship.** Spanish Ministry of Economy, PI: J. Eeckhout (Nationwide)

**Fulbright Fellowship** To pursue graduate studies in economics at Cornell University (Nationwide)

**La Caixa Graduate studies in USA fellowship** (Declined, Nationwide)

**SEBAP-Barcelona School of Economics Scholarship** (Universitywide)

**Faculty of Economic and Business Sciences Award** (Award to the ten best academic records. Ranked 4<sup>th</sup>, Economics, Universitywide)

**Third Spanish Award for Excellence in Academic Performance** (Labor Relations, Nationwide)

**Extraordinary Study Prize** (Ranked 1<sup>th</sup>, Labor Relations, Universitywide)

**Extraordinary Study Prize** (Ranked 1<sup>th</sup>, Business Sciences, Universitywide)

**Best mark, Economics Degree Entry Examination** (Universitywide)

**Formula Santander Scholarship for International Mobility** (Nationwide)

RESEARCH  
PAPERS

**[Taste for Variety: An Intertemporal Choice Model \[Job Market Paper\]](#)**

Variety-seeking behavior refers to the tendency to alternate between different products to experience diversity or variety in consumption over time. It is a prominent and well-documented driver of individual decision-making and has attracted much attention in the marketing, psychology, and economics literature. In spite of that, the vast majority of intertemporal choice models assume some form of time-separability, implying consumption independence and therefore making them unable to account for variety-seeking behavior. This paper addresses this issue by presenting, studying, and axiomatically characterizing a new discrete choice model of time-risk preferences consistent with variety-seeking behavior. I refer to this model as the history-discounted utility (HDU) model. In the HDU model, consumption independence is relaxed by allowing for a history-dependent utility function. The biological/psychological driver of variety-seeking behavior is a satiation and recovery process in which product enjoyability decreases with consumption and recovers back to its intrinsic level otherwise. The main advantage of the axiomatic characterization presented in this paper is that simple and intuitive axioms allow disentangling the effects from time discounting from history dependence, providing a new framework to axiomatize time-nonseparable preferences. I demonstrate the broad scope of applicability of the HDU model by analyzing two different applications. In the first application, I study a multiproduct monopolist's optimal dynamic pricing strategies in intertemporal discrete choice settings facing variety-seeking consumers. In the second application, I show how the tools provided by the HDU model can help tackle one of the most urgent threats to public health, antibiotic resistance. In particular, I show how the HDU model can be used to design antibiotic treatment plans to fight bacterial infections more effectively while minimizing the threat of developing antibiotic resistance.

**[Variety-seeking Consumption Patterns and Multiproduct Monopolists' Dynamic Pricing Strategies](#) (with Daniel Sánchez)**

This paper studies multiproduct monopolists' optimal dynamic pricing strategies when facing variety-seeking consumers with different degrees of foresight. We fully characterize variety-seeking consumption patterns and monopolists' optimal dynamic pricing strategy. We show that with such a pricing strategy, the monopolist can impose any consumption path on all consumers, regardless of their degree of foresight. Hence, the monopolist's profit maximization problem is reduced to choosing

the optimal consumption path that maximizes society's total surplus. Interestingly, the monopolist's optimal pricing strategy induces myopic agents to act like forward-looking agents, allowing the firm to extract total surplus from both types of agents.

**Short-term Effects of Air Pollution on Adolescents' Economic and Social Preferences** (with Jose Apestequia, Xavier Basagaña, Ayah Bohsali, and Humberto Llavador)

The negative impact of pollution on climate change, health, productivity, cognition, and other variables is well-established. In this paper, we are concerned with the consequences of pollution on economic preferences, such as risk, time, and social. We report on the first randomized-controlled experiment on the subject matter. 2,122 high schoolers from 33 high schools in the metropolitan area of Barcelona were randomly allocated into two types of classrooms for 1.5 hours with functioning air purifiers. Still, only one had a filter that effectively purified air conditions. We elicited economic preferences using the Global Preference Survey. We do not identify any significant difference between treatment and control. We conjecture that our cleaning strategy requires longer interventions. A second main contribution of this paper is that we provide an up-to-date survey of the fast-growing literature on the impact of pollution on economic preferences.

PRE-PH.D  
PUBLICATIONS

**Rodriguez, Jorge; Puig, David; and Sobrino, Cristina (2014).** "Poly and Distinct Victimization in Histories of Violence Against Women", *Journal of Family Violence*, 29(8), pp 849-858

CONFERENCES  
AND SEMINARS

XVII Meeting of the Spanish Social Choice Network (REES 2020)  
7th Econometric Society Summer School, Sapporo, Japan (2019)  
Barcelona School of Economics Ph.D. Jamboree (2018) and (2021)  
UPF Internal Microeconomics Seminar (Scheduled, 2022)  
UPF Student Seminar (2020)  
Misbehaviors Barcelona (2018)

REFeree  
SERVICES

Journal of Mathematical Economics, International Journal of Industrial Organization

LANGUAGE  
SKILLS

Catalan and Spanish, native. English fluent.

COMPUTER  
SKILLS

Programming: Matlab, Stata, R, Python, Qualtrics, and L<sup>A</sup>T<sub>E</sub>X  
Statistical packages: Stata, R, SPSS, Minitab, Gretel, and Eviews  
Mathematical packages: Matlab, Maple, and Maxima