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RESEARCH INTERESTS

Microeconomic Theory, Behavioral and Experimental Economics, Information Economics

REFERENCES

Yeon-Koo Che

Kelvin J. Lancaster Professor of
Economic Theory

Columbia University

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Navin Kartik

Professor

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Mark Dean

Associate Professor

Columbia University

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EDUCATION

Ph.D. in Economics, Columbia University	2016-21
<i>en route</i> : M.A. in Economics (2016-17), M.Phil. in Economics (2017-19)	(expected)
M.Sc. in Economics, ISCTE - University Institute of Lisbon	2014-16
B.Sc. in Economics, ISCTE - University Institute of Lisbon	2011-14
Dipl. Adv. Studies in Moral and Political Philosophy, NOVA University of Lisbon	2012-13
B.Sc. in History, NOVA University of Lisbon	2008-11

JOB MARKET PAPER

[Sequential Sampling and Equilibrium](#) (2020)

Abstract: I propose an equilibrium solution concept in which players sequentially sample to resolve strategic uncertainty over their opponents' distribution of actions. Bayesian players sample from their opponents' distribution of actions at a cost and make optimal choices given their posterior beliefs. The solution concept makes predictions on the joint distribution of players' choices, beliefs, and decision times, and generates stochastic choice through the randomness inherent to sampling, without relying on indifference or choice mistakes. It rationalizes well-known deviations from Nash equilibrium such as the own-payoff effect and I show its novel predictions relating choices, beliefs, and decision times are supported by existing data.

RESEARCH PAPERS AND PRESENTATIONS

OTHER WORKING PAPERS

Statistical Mechanism Design: Robust Pricing and Reliable Projections (2020)

with Bruno Furtado

Short Abstract: A mechanism designer with a sample of consumers' types can conduct valid inference on profit and regret and use our toolkit to compare mechanisms.

The Effect of Incentives on Choices and Beliefs in Games. An Experiment (2020)

with Teresa Esteban-Casanelles

Short Abstract: The level of incentives affects gameplay and beliefs through both choice mistakes and costly attention.

Diagonal Games: A Tool for Experiments and Theory (2020)

Short Abstract: Diagonal games are a useful benchmark to study cognitive limitations in strategic settings, both for exploring predictions of theoretical models and for experimental implementations.

Recommenders' Originals: Integrated Recommender Systems and Vertical Foreclosure (2020)

with Guy Aridor

Short Abstract: The ability of platforms to bias their recommendations can lead to vertical foreclosure, but separating recommendation and production is not always welfare improving.

Retractions (2020)

with Jonathan Libgober and Jack Willis

Short Abstract: The data shows retractions are typically treated as less informative compared to new information, but also lead to better accommodating new information that follows.

WORK IN PROGRESS

The Dynamics of Conflict

Short Abstract: When agents optimally commit resources over time in order to disturb the status quo, greater inequality generates greater instability.

Revising Beliefs on Belief Updating: Theory and Experimental Evidence

with Arthur Prat-Carrabin

Short Abstract: Individuals update beliefs as if sampling from memory, a model that rationalizes the observed patterns of over- and under-updating.

OTHER PUBLICATIONS

Trends in Public Finance: Insights from a New Detailed Dataset (2016)

with Debra Bloch, Jean-Marc Fournier and Álvaro Pina
OECD Economics Department Working Papers 1345

Short Abstract: The OECD Public Finance Dataset is cross-country panel dataset with key variables on public finance intended to promote research on the relation between fiscal policy, inequality and long-run growth.

CONFERENCE PRESENTATIONS

2021: Games 2020 (scheduled)

2020: Spanish Economic Association Symposium (scheduled)

INVITED SEMINAR PRESENTATIONS

2019: NYU Microeconomics Student Lunch; SWEET-Wharton: Student Workshop in Experimental Economic Techniques

2018: PSE Summer School Bounded Rationality Workshop

TEACHING EXPERIENCE

INSTRUCTOR

FCSH/NOVA University of Lisbon

Democracy and Collective Choice (Summer school) Summer 2014

TEACHING FELLOW

Columbia University

Microeconomic Analysis I (Ph.D. 1st Year course) Fall 2019
Decision Theory, General Equilibrium and Game Theory.
Instructors: Mark Dean and Evan Sadler

Microeconomic Analysis II (Ph.D. 1st Year course) Spring 2018
Game Theory and Contract Theory.
Instructors: Yeon-Koo Che and William Bentley MacLeod

Game Theory (Undergraduate) Fall 2018
Instructor: Prajit K. Dutta

Principles of Economics (Undergraduate) Fall 2017, Spring 2018
Instructor: Sunil Gulati

ISCTE - University Institute of Lisbon

Microeconomics I (Undergraduate) Spring 2015
Instructor: Nádia Simões

Microeconomics II (Undergraduate) Fall 2014
Instructor: Henrique Monteiro

RESEARCH GRANTS & ACADEMIC AWARDS

RESEARCH GRANTS & FELLOWSHIPS

Doctoral Dissertation Research Improvement Grant # 1949395 National Science Foundation; \$28,026	2020
Research Grant Program for Economic Research, Columbia University; \$17,044	2020
Dissertation Fellowship Department of Economics. Columbia University	2020
Summer Research Fellowship Program for Economic Research, Columbia University	2019, 2020
CELSS Dissertation Grant Columbia University Experimental Laboratory for Social Sciences; \$3,000	2019
CELSS Research Grant Columbia University Experimental Laboratory for Social Sciences; \$1,000	2019

AWARDS & HONOURS

Best Teaching Assistant (Ph.D.) Association of Graduate Students in Economics, Columbia University	2020
Ralph Erdman Holben Fund Fellowship (Ph.D. in Economics) Columbia University	2019-20
Caswell L. Johnson Columbia Scholarship (Ph.D. in Economics) Columbia University	2018-19
Dean's Fellow (Ph.D. in Economics) Columbia University	2016-18
Best 1st Year Student Award (M.Sc. in Economics) ISCTE - University Institute of Lisbon	2015
Bank of Portugal Best Student Award (B.Sc. in Economics) Bank of Portugal	2015
Best Student Award (B.Sc. in Economics) ISCTE - University Institute of Lisbon	2015
Academic Excellence Award (B.Sc. in Economics) ISCTE - University Institute of Lisbon	2012
Merit & Excellence Best Student Award (B.Sc. in History) FCSH/NOVA University of Lisbon	2012
Merit Student Award & Scholarship (B.Sc. in History) NOVA University of Lisbon	2010

PROFESSIONAL SERVICE

REFEREEING

Games and Economic Behavior

ORGANIZING

Student Organizer. Micro Theory Colloquium. Columbia University	2019-20
Organizer. Micro Theory Summer Reading Group. Columbia University	2019
Organizing Committee. Young Economists Symposium. Columbia University	2019

SOFTWARE DEVELOPED

GETDATA: Stata module to import SDMX data from several providers <i>Boston College Department of Economics. Statistical Software Components S458093</i>	2015
XTEUROSTAT: Stata module to import data from Eurostat in panel data structure <i>Boston College Department of Economics. Statistical Software Components S458089</i>	2015

PERSONAL INFORMATION

Full name: Duarte Gonçalves Dias da Silva

Citizenship: Portuguese

Birth Date: August 23rd, 1990

LANGUAGES

Portuguese (Native)	English (Fluent)	Spanish (Very Good)
French (Good)	German (Elementary)	

PROGRAMMING SKILLS

Python, MATLAB, R, Wolfram Mathematica, Stata, MS Office Excel, Eviews, SPSS