

BERNARDO SOUSA BUARQUE

PERSONAL DATA

Date of Birth: 17 December 1989
Nationality: Brazilian
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Address: 1/2 St. David's Terrace, Dublin, Ireland
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ACADEMIC EXPERIENCE

Research Scholar - Expert in Network Sciences and Dynamics of Complex Systems *2021 - present*

Max Planck Institute for the History of Science
Project: Socio-epistemic networks: Modelling Historical Knowledge Processes

Research Assistant at the Spatial Dynamics Lab (Ph.D. Scholarship) *2017 - present*

Project: Technology Evolution in Regional Economies - TechEvo (ERC, Horizon 2020 - No. 715631)
Prof. Dieter Kogler

Young Scientists Summer Programme *Summer 2020*

International Institute for Applied System Analysis
Project: Evolving the Knowledge-Space: A dynamic model of patent class recombination
Prof. Gergely Boza & Prof. Gerald Silverberg

Teacher Assistant at UCD *2019*

Module: Behavioural Economics
Prof. Liam Delaney

Research Assistant at UCD *Summer 2018*

Project: EPO Academic Research Programme
Topic: The Economics of Artificial Intelligence
Prof. Ron Davies

Teacher Assistant at UFPE *2013*

Module: Econometrics
Prof. Breno Sampaio

EDUCATION

University College Dublin (UCD) *2017 - 2021*

Doctor of Philosophy in Economic Geography
GPA: 3.9 / 4

University of Amsterdam (UvA) *2015 - 2016*

Master of Science in Economics
Track: Behavioural Economics and Game Theory
Thesis: Strengthening the case for nudging: The influence of a good default on subsequent self-control
Advisor: Ailko van der Veen
Grade Average: 8.09/10

Federal University of Pernambuco (UFPE) *2010 - 2014*

Bachelor of Science in Economics
Thesis: Does payment for ecosystem service work? Empirical evidences from Brazil
Advisor: Breno Sampaio
Grade Average: 8.38/10

University of Pernambuco (UPE) *2008 - 2010*

Bachelor of Science in Biology (*Incomplete*)

WORK EXPERIENCE

Study.com Economics Expert	2018
Mediamatic Beer Brewing Internship	2016
APL - Consultores Associados Ltda. Economics Internship	2012-2013
Macroplan - perspectiva, estratégia e gestão Economics Internship	2011-2012
Fundação Joaquim Nabuco Scientific Initiation Scholarship	2011

SCHOLARSHIPS, AWARDS, AND CERTIFICATES

Mikhalevich Award 2020 Grant awarded to the two best projects during the YSSP 2020 to return to IIASA for three months	2020
Ulysses 2019 Grant awarded by the Irish Research Council to visit for the summer the University of Bordeaux, France	2019
Joachim Herz Award Granted for the two best group projects in the Experimental Economics Summer School in Macroeconomics	2018
Spring 2018 Research Fellowship Awarded by Behavioral Insights Global	2018
Data Scientist with Python Awarded by DataCamp	2018
Orange Tulip Scholarship Scholarship for academic excellence awarded to graduate students by NUFFIC NESO.	2015

CONFERENCES, WORKSHOPS, AND SUMMER SCHOOLS

Programming Economic Experiments with z-Tree University of Konstanz	2020
Lecture on the Behavioural Economics of Sustainability University of Brasilia	2019
Annual Research Meeting on Economic Geography and International Trade (EGIT) WU Vienna	2019
PhD Student Conference in Behavioural Science University College Dublin	2018
Summer School on Data & Algorithms for Science, Technology and Innovation Studies KU Leuven	2018
2018 RSA Europes Socio-Spatial Dynamics Summer College Regional Studies Association	2018
11th BESLab Experimental Economics Summer School in Macroeconomics Universitat Pompeu Fabra	2018
Oxford Summer School in Economics Networks University of Oxford	2018

PUBLICATIONS

Buarque, B. S., Davies, R. B., Kogler, D. F., & Hynes, R. M. (2019). OK Computer: The creation and integration of AI in Europe. *Cambridge Journal of Regions, Economy and Society*, rsz023. Available at: <https://doi.org/10.1093/cjres/rsz023>

Kogler, F. K., Whittle, A., & Buarque, B. S. (in press). Regional disparities in the race for the machines. In *Routledge Handbook of Smart Technologies. An Economic and Social Perspective*. Routledge.

Hynes, R. M., Buarque, B. S., Davies, Kogler, D. F., & Davies, R. B. (2020). Hops, Skip & a Jump: The Regional Uniqueness of Beer Styles. *Regional Studies*. [Under Review].

SKILLS

Languages PORTUGUESE: Native language
 ENGLISH: Fluent conversation, reading, and writing
 FRENCH: Proficient conversation, reading, and writing
 SPANISH: Excellent reading and good conversation

Computing R
 PYTHON
 STATA
 MYSQL

REFERENCES

Prof. Dieter F. Kogler
University College Dublin
dieter.kogler@ucd.ie

Prof. Ron Davies
University College Dublin
ronbdavies@gmail.com

Prof. Liam Delaney
London School of Economics
liamdelaney2011@gmail.com

Prof. Gerald Silverberg
UNU-MERIT and IIASA
gerald.silverberg@gmail.com

Prof. Joep Sonnemans
University of Amsterdam
joepsonnemans@gmail.com

Dr. Ailko van der Veen
University of Amsterdam
ailko@xs4all.nl

Prof. Alexandina Sobreira
Fundação Joaquim Nabuco
alexandrina.sobreira@gmail.com

Prof. Breno Sampaio
Federal University of Pernambuco
brenorsampaio@gmail.com

Doctor of Philosophy

COURSE DESCRIPTION	GRADE	CREDITS
Topics in Econometrics	A	5
Social Simulation: Methods and Models	A	10
Evidence-Based Policy-Making	A	10
Dynamic Social Networks	A	10

Master of Science in Economics

COURSE DESCRIPTION	GRADE	CREDITS
Microeconomics and Game Theory	8.5	5
Macroeconomics	8.0	5
Applied Econometrics	7.5	5
Advanced Game Theory	9.0	5
Behavioural Economics	8.0	5
Experimental Economics	7.5	5
Evolution and Behavior	7.0	5
Neuroeconomics	8.0	5
Research Seminar	N/A	5
Master Thesis	8.5	15

Exchange Program at University of Sussex

COURSE DESCRIPTION	GRADE	CREDITS
Introduction to Sustainable Development	72	15
Labour Economics	76	15
Anthropology of Economics Process	65	30

Summer School at London School of Economics

COURSE DESCRIPTION	GRADE	CREDITS
Development Economics	B+	7.5
Development in the International Political Economy	B+	7.5

Undergraduate Degree in Economics

COURSE DESCRIPTION	GRADE	CREDITS
Economics 1	8.68	4
Fundamentals of Sociology	8.25	4
History of General Economics	8.00	4
Mathematics 1	7.86	4
Portuguese for Special Purposes	7.50	4
Political Science	9.75	4
Economics 12	8.50	4
Elements of Mathematical Economics 1	8.00	4
Introduction to Business Administration	9.00	4
Sociology 2	10.00	4
Social Accounting	7.31	4
Elements of Mathematical Economics 2	9.13	4
Introduction to Economic Statistics	7.00	4
Mathematics Laboratory	8.00	4
Microeconomics 1	8.50	4
Economic Statistics	9.25	4
Brazil's Economic Development	5.82	4
Macroeconomics	8.55	4
Financial Mathematics 3	8.18	4
Microeconomics 2	8.50	4
Econometrics 2	8.06	4
Brazilian Economics	8.75	4
Regional Economics	5.50	4
History of Economic Thought 2	9.50	4
Macroeconomics 2	7.78	4
Accounting and Balance Sheet Analysis	9.20	4
Public Sector Economics	6.32	4
International Economics 1	7.50	4
Monetary Economics	9.24	4
History of Economic Thought 3	9.00	4
Internship 1	10.00	4
Law (Public and Private)	8.65	4
Agricultural Economics	8.81	4
Methods of Economic Science	8.00	4
Projects	8.20	4
Time Series Econometrics	9.60	4
Dissertation	10.00	16