STEFAN BUCHER

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Employment

Postdoctoral Researcher, Univ. Tübingen AI Center & Max Planck Institute for Biological Cybernetics, 2021-
   Advisor: Peter Dayan

Education

PhD in Economics, New York University, 2015-2021
   Thesis Title: *Information Constraints in Decision-Making*
   Committee: Andrew Caplin, Paul Glimcher, Adam Brandenburger, Michael Woodford,
            Andrew Schotter, Eero Simoncelli
MPhil in Economics, New York University, 2019 (en route)
MSc in Economics, London School of Economics and Political Science, 2015
MSc in Computational Science and Engineering, ETH Zürich (Dept. of Mathematics), 2013
   Semester at Ecole Polytechnique Fédérale de Lausanne (Blue Brain Project)
BSc in Computational Science and Engineering, ETH Zürich (Dept. of Mathematics), 2013
   Semester at Ecole Normale Supérieure Paris (Dept. of Cognitive Science)

Invited Talks and Conference Presentations   *poster **presented by co-author

   2023: U Chicago Becker Friedman Institute (Conference on Rational Inattention), AMA Summer
         Academic Conference*, Triennial Invitational Choice Symposium, Marketplace Innovation
         Workshop
   2022: ASSA Meeting, Society for Neuroeconomics*
   2021: NYU SoM Neuroscience Institute, Virtual Behavioral Economics Seminar**, Cosyne*, Society for
         Neuroeconomics*, Society for Neuroscience*, Swiss Economists Abroad
   2020: Society for Neuroeconomics, NYU Economics Micro Theory Seminar, International Conference on
         Mathematical Neuroscience*
   2019: Workshop on the Cognitive Foundations of Economic Behavior, NYU Shanghai Neuroeconomics
         Summer School, Society for Neuroeconomics*, Society for Neuroscience*
   2018: Columbia Student Workshop in Experimental Economics Techniques, Society for
         Neuroeconomics*, Society for Neuroscience*, Swiss Economists Abroad

Other Professional Activities

Tübingen AI Center Council (elected representative), 2023
Reinforcement Learning Algorithms Club (founder & organizer), 2023
NYU GSAS Committee on Graduate Curriculum and Financial Aid (member), 2020
Workshop on PhD applications for students from low- and middle-income countries, 2022 & 2023
Refereeing: Nature Human Behavior

Awards, Fellowships, and Grants

2020-2021	NSF Doctoral Dissertation Research Improvement Grant ($40k)
2020-2021	NYU GSAS Dean's Dissertation Fellowship
2015-2020	NYU GSAS Henry M. MacCracken Fellowship
2015-2016	Fulbright Scholarship
2013	Ecole Normale Supérieure Sélection Internationale, ranked 7th (of 98)
2009-2019	Swiss Study Foundation

Publications
Bucher & Brandenburger (2022): "Divisive normalization is an efficient code for multivariate Pareto-distributed environments," *Proceedings of the National Academy of Sciences*, 119(40):e2120581119.

Working Papers

Inattention and Inequity in School Matching
with Andrew Caplin, NBER Working Paper 29586

Dynamics of base-rate neglect: Disregarding prior probabilities while accumulating evidence
with Paul Glimcher, SSRN

Teaching Experience
Spring 2021   Firms & Markets (Microeconomics), NYU Stern EMBA, TA for Simon Bowmaker
Summer 2020   NYU Shanghai Neuroeconomics Summer School (PhD), TA
Spring 2019   Applied Statistics & Econometrics II, NYU Master's, TA for Banani Nandi
Fall 2018   Applied Statistics & Econometrics I, NYU Master's, TA for George Lentzas
Spring 2017   Macroeconomic Analysis, NYU Undergraduate, TA for Giorgio Topa

Research Experience and Other Employment
2014   Swiss National Bank, Money Market and Foreign Exchange Unit
2013-2014   ETH Zurich Center for Law & Economics, RA to Prof. Daniel Chen (assisted in the development of the oTree.org platform for behavioral experiments)

References (in alphabetical order)

Professor Adam Brandenburger
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NYU Department of Economics
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Max Planck Institute for Biological Cybernetics
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Professor Paul Glimcher
NYU Langone Neuroscience Institute
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