BEHAVE IN A NUTSHELL

Flaminio Squazzoni

Department of Social and Political Sciences, University of Milan

flaminio.squazzoni@unimi.it

@squazzoni

Behave in a nutshell

BEHAVE aims to **integrate experimental and computational research** to examine the emergence of large-scale, complex social patterns from agent interaction.

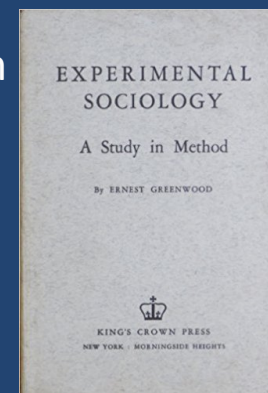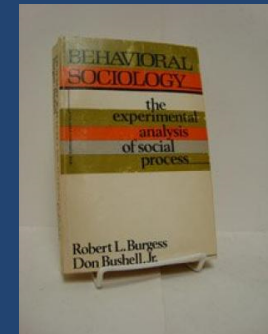Integrating observation scales, the microscope and the telescope

"**Computational augmentation**" of experimental observations.

Counterfactual analysis that corroborates the estimation of causal relationships established by experimental protocols

Testing the impact of parameter manipulations (e.g., population size, spatial-temporal or interaction scales), which are either difficult to observe or impossible to manipulate in the lab.

In short, in this integration lies our true understanding of "**behavioural sociology**", a synthesis of experimental and computational research that supports synthetic observations of macroscopic social patterns as aggregate properties of agent interaction to understand the complex eco-evolution between individual behaviour and social environments

www.behavelab.org

Behave in a nutshell

YY 2019-2022 (MIUR-PRIN 2017; UniTO, UNIMI, CNR)

"One for all, all for one. Reputational mechanisms for aggression, revenge, and forgiveness in intergroup relationships (14ALL)"

14ALL investigates the conditions under which groups may trigger aggressive behavior in individual members and fuel retaliatory cycles magnifying the consequences of intergroup conflict. It integrates lab experiments on inter-group aggression and retaliation, survey experiments on group rewards for retaliation and forgiveness in Northern/Southern Italy, and ABM to test group structure parameters and social (mis)information structures (third party reputation vs. gossip)

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Behave in a nutshell

BEHAVE Summer School 2019 on "Agent-Based Modelling for Social Scientists", 2-11 September 2019, Collegio Lucchini, via Vallotti 3C, Brescia, Italy

Dr. Federico Bianchi (GECS, University of Brescia, Italy)

Prof. Joshua M. Epstein (New York State University, USA)

Prof. Tatiana Filatova (University of Twente, The Netherlands)

Dr. Simone Gabbriellini (GECS, University of Brescia, Italy)

Dr. Nicolas Payette (University of Oxford, UK)

Prof. Flaminio Squazzoni (University of Milan, Italy, School director)

Sociology and **Behavioural Sociology** courses (9 credits, 60 hours) at undergraduates

Behavioural game theory (3 credits, 20 hours) and **Agent-Based Modelling** (summer school) to post-graduates

behavelab.org/behave-summer-school/

The advisory board (2019-2022)

Petra Ahrweiler
Full Professor of Sociology of Technology and Innovation

Johannes Gutenberg-Universität Mainz, Germany

Andreas Flache
Full professor of Sociology

University of Groningen, The Netherlands

Nigel Gilbert
Full Professor of Sociology and Director of the Centre for Research in Social Simulation

University of Surrey, Guilford, UK

Peter Hedström
Full Professor of Analytical Sociology and Director of the Institute for Analytical Sociology

Diane Payne
Associate Professor of Sociology and Director of the Dynamics Lab for Computational Social Science

Bridget Rosewell
MPhil in Economics, Entrepreneur and Consultant

Volterra Partners, London, UK

THANK YOU

Contacts:

flaminio.squazzoni@unimi.it

@squazzoni

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