



TO MAGNIFICA RETTRICE OF UNIVERSITA' DEGLI STUDI DI MILANO

ID CODE _____7127_____

I the undersigned asks to participate in the public selection, for qualifications and examinations, for the awarding of a type B fellowship at **Dipartimento di ___Economia, Management e Metodi Quantitativi_**

Scientist- in - charge: _____ **Luca Stella** _____

LEVENT GUMUS

CURRICULUM VITAE

PERSONAL INFORMATION

Surname	GUMUS
Name	LEVENT

PRESENT OCCUPATION

Appointment	Structure
PhD Candidate in Economics	Ghent University

EDUCATION AND TRAINING

Degree	Course of studies	University	year of achievement of the degree
Degree			
Specialization			
PhD	Economics	Ghent University	Expected-September 2025
Master	Economics	University of Barcelona	2019
Degree of medical specialization			
Degree of European specialization			
Other			

REGISTRATION IN PROFESSIONAL ASSOCIATIONS

Date of registration	Association	City

FOREIGN LANGUAGES



Languages	level of knowledge
English	Proficient (Toefl:102)
French	Intermediate(B1)
Turkish	Mother tongue

AWARDS, ACKNOWLEDGEMENTS, SCHOLARSHIPS

Year	Description of award

TRAINING OR RESEARCH ACTIVITY

My current work encompasses two interconnected research agendas. The first investigates cognitive biases in belief formation and decision-making, drawing on insights from neuroscience, cognitive science, psychology, and economics. The second focuses on applied issues, particularly the development and testing of belief elicitation mechanisms designed to capture subjective belief distributions. To pursue these agendas, I utilize a range of theoretical and empirical methodologies, including formal modeling, laboratory experiments, and Bayesian econometrics.

For instance, in my job market paper, you can access to it via this link : <https://leventgumus.com/Research/>, I develop a model of confirmation bias, where confirmation bias arises from a cognitive mechanism conceptually linked to the Bayesian brain paradigm and the efficient coding hypothesis in neuroscience. I propose that cognitive effort, measured as the statistical divergence between prior and posterior beliefs, influences sampling precision, allowing misperception to emerge endogenously. Consequently, disconfirming evidence, which requires greater cognitive effort to process, attenuates belief updating, leading posterior mean beliefs to remain disproportionately anchored to prior means. I further evaluate the validity of the modeling assumptions and theoretical predictions in an experimental framework, finding empirical support for them.

In addition, in a joint work with Mohammed Abdellaoui, Yassine Kaoune, Emmanuel Kemel, and Ferdinand M. Vieider, we develop a novel method to econometrically recover belief distributions from binary choices between bets on different events, and study the predictive power of the recovered belief measures about reciprocity in a trust game. Our results not only reveal that our belief measures outperforms all the qualitative and quantitative measures of trust used frequently in the literature, but we also highlight the importance of belief uncertainty using the generalized Arrow-Pratt approximation of the certainty equivalent proposed by Maccheroni, Marinacci, and Ruffino (2014), thereby providing support for the multiple prior explanation of the smooth model over standard models such as Subjective Expected Utility or Prospect Theory.

PROJECT ACTIVITY

Year	Project

PATENTS



Patent

CONGRESSES AND SEMINARS

Date	Title	Place
08/07/2024	Beliefs in Reciprocity, Confidence, and Trust - University of East Anglia 10th Behavioural Game Theory Workshop	Norwich,UK
27/06/2024	Beliefs in Reciprocity, Confidence, and Trust - 14th Conference of the French Experimental Economics Association(ASFEE)	Grenoble,France
17/06/2024	Beliefs in Reciprocity, Confidence, and Trust, 6th Maastricht Behavioral and Experimental Economics Symposium (M-BEES)	Maastricht, The Netherlands
22-27/07/2024	RisLaB Summer School on Cognitive Foundations of Decision-Making, Mohammed VI Polytechnic University	Rabat,Morocco

PUBLICATIONS

Books
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]
[title, place, publishing house, year ...]

Articles in reviews
[title of the article, review, place, publishing house, year ...]
[title of the article, review, place, publishing house, year ...]
[title of the article, review, place, publishing house, year ...]

Congress proceedings
[title, structure, place, year]
[title, structure, place, year]
[title, structure, place, year]

OTHER INFORMATION

Software Skills: R, Stan, Qualtrics, HTML & JavaScript for survey design
Website: https://leventgumus.com/



Declarations given in the present curriculum must be considered released according to art. 46 and 47 of DPR n. 445/2000.

The present curriculum does not contain confidential and legal information according to art. 4, paragraph 1, points d) and e) of D.Lgs. 30.06.2003 n. 196.

Please note that CV WILL BE PUBLISHED on the University website and It is recommended that personal and sensitive data should not be included. This template is realized to satisfy the need of publication without personal and sensitive data.

Please DO NOT SIGN this form.

Place and date: _____Ghent/Belgium_____, _____28.02.2025_____