Claire **Mouminoux**

RESEARCH FELLOW IN INSURANCE ECONOMICS

118, avenue Berthelot, 69007 Lyon, France

☐ (+33) - 6 30 83 64 23 | ✉ claire.mouminoux@gmail.com | 🏠 claire.mouminoux.com | in claire-mouminoux

Education

PhD in Economics
Lyon, France

CLAUDE BERNARD UNIVERSITY LYON 1, ISFA GRADUATE SCHOOL OF ACTUARIAL STUDIES
February 2015 - October 2018

- Thesis title: Behavioral Biases and Strategies of Insurance Market Players.
- Supervisors: Stéphane Loisel and Christophe Dutang.
- Keywords: experimentation, customer behaviour, intermediation, distribution channel, honesty, obfuscation, game theory, market cycles.
- Defense committee: Pierre-André Chiappori, Mercè Claramunt, Sara Fisher Ellison, Meglena Jeleva, Jean-Louis Rullière, Arthur J.H.C. Schram.

Master's Degree in Economics of Markets and Organization
Toulouse, France

TSE — TOULOUSE SCHOOL OF ECONOMICS
September 2012 - September 2014

- Master essay title: The impact of the Internet on the French Retail Insurance Mass Market.
- Statistics and econometric modelling.
- Game theory and equilibrium analysis.
- Decision theory under information asymmetry.

Bachelor's Degree in Mathematics and Economics
Toulouse, France

TSE — TOULOUSE SCHOOL OF ECONOMICS
September 2009 - September 2012

- Major courses: Microeconomics, Macroeconomics, Mathematics and Statistics.

Professional Experience

SAF Laboratory — **Prevent' Horizon Chair** — **Institut Louis Bachelier**
Lyon, France

RESEARCH FELLOW
October 2018 - Present

- Research fellow in Behavioral Economics applied to insurance, health and prevention.

AGDF — **AXA Global Direct France - Technical Department**
Paris, France

ACTUARIAL ANALYST — PHD CANDIDATE
October 2014 - July 2018

- Calculation of customer long run business value including survival rate models, loss model projections, cost of capital under regulatory constraints and financial time-value.
- New business price optimization under customer value constraint (Lagrangian method): integration of market competition, dynamic price elasticity modelling and solvency constraints.
- Supervision of two-products offer: measure of cannibalization effects, advantageous selection of clients' risk profile, cross-prices elasticity and elaboration of best price strategy positioning for both products.
- Partnership profitability analysis: participation in the implementation of business partnership for insurance distribution.

AGPC — **AXA Global P&C - Commercial Lines Department**
Paris, France

MASTER'S DEGREE INTERNSHIP
April 2014 - October 2014

- Contribution to the deployment of car fleet prevention offers including management support and telematics offers.
- Development of Marine Insurance (Hull & Machinery) worldwide strategy of AXA Group leading to reinsurance and risk pooling recommendation.

Banque de France - Over-indebted Department
Toulouse, France

OVER-INDEBTED ANALYST - SEASONAL POSITION
2011 - 2012 - 2013

- Implementation of repayment plan and juridical follow-up.

Teaching Experience

Lecturer in Insurance Economics - Claude Bernard University Lyon 1, ISFA Graduate School of Actuarial Studies
Lyon, France

MASTER 1 (GRADUATE PROGRAM) - STATISTICS AND ECONOMETRICS DIPLOMA (15H)
April 2019 - June 2019

- Expected Utility theory, Adverse Selection, Moral Hazard, Information Asymmetry, Price Optimization.

Teaching Assistant in Risk & Insurance Economics - Claude Bernard University Lyon 1, ISFA Graduate School of Actuarial Studies

Master 1 (Graduate Program) - Actuary Diploma (45h)

Lyon, France

September 2015 - September 2017

- Game Theory, Information Asymmetry, Optimization.

Teaching Assistant in Decision and Game Theory - Lyon 2 Lumière University

Master 2 (Graduate Program) - Quantitative Economics (20h)

Lyon, France

September 2014 - September 2015

- Expected Utility theory, Adverse Selection, Moral Hazard, Nash Equilibrium, Bayesian Game.

Teaching Assistant in Mathematics - Toulouse 1 Capitole University

Bachelor 1 & 2 (Undergraduate Program) - Mathematics and Economics (30h)

Toulouse, France

September 2013 - April 2014

- Linear Algebra, Optimization.

Skills

Programming R, SQL, SAS, VBA, Python, LaTeX, HTML, Java, JavaScript, Office Pack.

Languages French (Mother Tongue), English (Professional Level), Spanish (Intermediary).

Publications & Working Papers

Biais comportementaux et stratégies des acteurs du marché de l'assurance.

Claire Mouminoux

L'Actuariel Journal, n°35

January 2020

- Professional review published by the French Actuary Institute

Se couvrir contre le risque, entre obfuscation et honnêteté.

Claire Mouminoux and Jean-Louis Rullière

L'Actuariel Journal, n°33

June 2019

- Professional review published by the French Actuary Institute

Honesty and Obfuscation: Experimental Evidence on Insurance Demand with Multiple Distribution Channels.

Claire Mouminoux, Jean-Louis Rullière, Stéphane Loisel

Submitted

2019

- Analysis of obfuscation and honesty effects on efficiency of choices and study of determinants of purchasing decision-making in retail insurance including exogenous search costs.

Behavioral Insurance

Claire Mouminoux, Jean-Louis Rullière

Submitted

2019

- Literature survey and recommendations for insurance market.

Are we more honest than others think we are?

Claire Mouminoux, Jean-Louis Rullière

Working Paper

2019

- Study of distortion in beliefs about other honesty and observed honesty based on a laboratory experiment under different degrees of favorable conditions.

A game-theoretic analysis of insurers pricing strategies.

Hansjoerg Albrecher, Christophe Dutang, Stéphane Loisel, Claire Mouminoux

Working Paper

2019

- Insurer price competition modelling with a repeated one-period non-cooperative game where both insurer losses and consumer behaviour are stochastic.

Multiplicity of choices and decision-making.

Claire Mouminoux

Working Paper

2019

- Analysis of heuristic biaises under multiplicity of insurance choices with experimental approach.

Licensing effect and insurance fraud.

Claire Mouminoux, Caroline Bayart and Jean-Louis Rullière

Working Paper

2019

- An original experiment in order to identify potential licensing effects on insurance claims based on dynamic behavior of honesty.

Propitious selection: an experimental evidence.

Morgane Plantier, Claire Mouminoux and Jean-Louis Rullière

Working Paper

2019

- Analysis of the effects of adverse selection and moral hazard in individual insurance decision supporting the presence of advantageous selection.

Conferences & Workshops

MBA - CHEA (Centre des Hautes Etudes d'Assurances) Seminar

PARIS DAUPHINE UNIVERSITY

Paris, France
November 2019

- "L'impact des systèmes de distribution dans la formation du résultat des compagnies"

2019 North-American ESA (Economic Science Association) Conference

VANCOUVER UNIVERSITY

Vancouver, Canada
July 2019

- "Licensing effect and insurance fraud"

94th WEAI (Western Economic Association International) Conference

SABE (SOCIETY FOR THE ADVANCEMENT OF BEHAVIORAL ECONOMICS)

San Francisco, USA
June 2018

- "Licensing effect and insurance fraud"

93th WEAI (Western Economic Association International) Conference

SABE (SOCIETY FOR THE ADVANCEMENT OF BEHAVIORAL ECONOMICS)

Vancouver, Canada
June 2018

- "Are we more honest than others think we are?"

2017 North-American ESA (Economic Science Association) Conference

VIRGINIA COMMONWEALTH UNIVERSITY

Richmond, USA
October 2017

- "Are we more honest than others think we are?"

8th International Conference of the French Association of Experimental Economics (ASFEE)

FACULTY OF ECONOMICS, UNIVERSITY OF RENNES 1

Rennes, France
June 2017

- "Honesty and Obfuscation: Experimental Evidence on Insurance Demand with Multiple Distribution Channels."

2016 CEAR/MRIC Behavioral Insurance Workshop

MUNICH RISK AND INSURANCE CENTER (MRIC)

Munich, Germany
December 2016

- "Honesty and Obfuscation: Experimental Evidence on Insurance Demand with Multiple Distribution Channels."

2016 North-American ESA (Economic Science Association) Conference

ARIZONA UNIVERSITY

Tucson, USA
November 2016

- "Honesty and Obfuscation: Experimental Evidence on Insurance Demand with Multiple Distribution Channels."

The 3rd EAJ (European Actuarial Journal) Conference

CLAUDE BERNARD UNIVERSITY LYON 1, ISFA GRADUATE SCHOOL OF ACTUARIAL STUDIES

Lyon, France
September 2016

- "Honesty and Obfuscation: Experimental Evidence on Insurance Demand with Multiple Distribution Channels."

Second Behavioral and Experimental Economics Workshop

ECOLE NORMALE SUPÉRIEURE CACHAN

Paris Saclay, France
May 2016

- "Too Many Insurance Contract Menus: Trust, Biases and Intermediation"

Awards

2019   **Prize of the young doctor in Actuarial Science**, SCOR   *Paris, France*

Reference Contact

Pierre-André Chiappori   Professor of Economics - Columbia University - pc2167@columbia.edu - (+1)212-854-6369

Sara Fisher Ellison   Professor of Economics - Massachusetts Institute of Technology - sellison@mit.edu - (+1)617-253-3821

Stéphane Loisel   Professor of Applied Mathematics - University Lyon 1 Claude Bernard - stephane.loisel@univ-lyon1.fr - (+33)684374269

Meglena Jeleva   Professor of Economics - Paris Nanterre University - meglena.jeleva@gmail.com - (+33)140974085

Jean-Louis Rullière   Professor of Economics - University Lyon 1 Claude Bernard - jean-louis.rulliere@univ-lyon1.fr - (+33)670436087