

Brice Magdalou

PROFESSOR OF ECONOMICS

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[\(link to personal website\)](#)

Positions

2014 –	Professor of economics (PR1), University of Montpellier, CEE-M.
2022–2023	Research Professor, CNRS, Aix-Marseille School of Economics (temporary position).
2008–2014	Assistant Professor of economics (MCF), University of Montpellier (2012-2014) and Antilles-Guyane University (2008-2012).

University Degrees

2014	French national contest for full professorship (Agrégation externe de sciences économiques).
2002–2006	Ph.D. in Economics (Doctorat), University of Montpellier. Title: A theoretical and experimental contribution to the measurement of inequality.

Research

Main fields of interest:

(★) Social choice, social welfare and inequality, (★) decision under risk, uncertainty and complexity, (★) experimental and behavioral economics, (★) education, health and environment.

►: Economics. ►: Machine Learning.

Publications in English:

►DPO Unchained: Your training algorithm is secretly disentangled in human choice theory (with Amid E, Hard A, Lambert J, Nock R, Zhang S, Zhou W), *International Conference on Machine Learning* (ICML 2026, oral).

►Does the Gini index represent people's views on inequality? (with Aymeric G), *Journal of Economic Inequality* 23(3), 637-665, 2025, special issue edited by Frank Cowell, Erik Schokkaert and Benoit Tarrow, on *Inequality Perceptions and Fairness Judgments*.

►Is body weight better distributed among men than among women? (with Bennia F, Gravel N, Moyes P), *Scandinavian Journal of Economics* 124(1), 69-103, 2022.

►A model of social welfare improving transfers, *Journal of Economic Theory* 196, 105318, 2021.

►Ranking distributions of an ordinal variable (with Gravel N, Moyes P), *Economic Theory* 71(1), 33-80, 2021.

►Can shorter transfer chains and transparency reduce embezzlement? (with Di Falco S, Masclet D, Villeval M.C, Willinger M), *Review of Behavioral Economics* 7(2), 103-143, 2020.

►Inequality measurement with an ordinal and continuous variable (with Gravel N, Moyes P), *Soc. Choice & Welfare* 52(3), 453-475, 2019.

►Income inequality measurement: a fresh look at two old issues, *Soc. Choice & Welfare* 51(3), 415-435, 2018.

►An Oaxaca decomposition for nonlinear models (with Bazan S, Joutard X), *Journal of Economic and Social Measurement*, 42(2), 101-121, 2017.

►Opportunities in higher education: An application to France (with Jaoul-Grammare M), *Annals of Economics and Statistics*, 111-112, 295-325, 2013.

- ▶ The absence of deprivation as a measure of social well-being: An empirical investigation (with Moyes P), *Economics Letters* 116(1), 75-79, 2012.
- ▶ On tracking portfolios with certainty equivalents on a generalization of Markowitz model: The fool, the wise and the adaptive (with Nock R, Briys E, Nielsen F), *International Conference on Machine Learning* (ICML 2011).
- ▶ Income distributions and decomposable divergence measures (with Nock R), *Journal of Economic Theory* 146(6), 2440-2454, 2011.
- ▶ Deprivation, welfare and inequality (with Moyes P), *Soc. Choice & Welfare* 32(2), 253-273, 2009.

Publications in French:

- ▶ Quels déterminants aux préférences pour la redistribution ? *Revue Française d'Économie* 35(1), 51-97, 2020.
- ▶ Défauts de coordination au sein de l'élevage de bovidés en Martinique: un test expérimental de terrain (with Angeon V, Célimène F, Logossah K), *Revue d'Économie Régionale et Urbaine* 2013-1, 37-62, 2013.
- ▶ Évaluation de la pauvreté en économie: théorie et expérimentation, in O. Dehoorne (ed.), special issue on 'Tourisme et lutte contre la pauvreté', *Études Caribéennes* 22, 2013.
- ▶ Privation et mesure du bien-être social (with Moyes P), *Revue Économique* 58(3), 745-756, 2007.

Chapters in collective books:

- ▶ Risk and inequality aversion in social dilemmas (with Dubois D, Nguyen-Van P), in A. Benslimane, C. Figueres and M. Willinger (Eds.): *Book in honor of Professor Daniel Serra*, Presse Universitaire de la Méditerranée, forthcoming.
- ▶ Mining matrix data with Bregman matrix divergences for portfolio selection (with Nock R, Briys E, Nielsen F), in F. Nielsen and R. Bathia (Eds.): *Matrix information geometries*, Springer-Verlag, 2012.
- ▶ Portfolios, information and geometry: simplex orbis non sufficit (with Briys E, Nock R), in T. Lagoarde-Segot (Ed.): *After the crisis: Rethinking finance*, Nova Science Publishers, New York, 225-244, 2010.

Reviewer for academic journals: Referee reports for more than 30 academic journals, including: *Econometrica*, *Economic Journal*, *Games and Economic Behavior*, *International Economic Review*, *Journal of Economic Theory*, *Journal of Health Economics*, *Journal of Public Economics*, *Journal of Risk and Uncertainty*, *Quantitative Economics*, *Review of Economic Studies*, *Theoretical Economics*.

Granted projects refereeing activities:

- ▶ Expert activity for the Paris City Council, Higher Educ. and Research Office, AAP 'Paris Recherche 2024'.
- ▶ Member of the expert committee for the "Cross-Disciplinary Projects", University of Lille (projects up to €6M over 8 years, wave 2024).
- ▶ UK Research and Innovation (UKRI, United Kingdom).
- ▶ Agence Nationale de la Recherche (ANR, France).
- ▶ Research Foundation Flanders (FWO, Belgium).

Visiting positions:

- ▶ Luxembourg Income Study (LIS) and Luxembourg Institute of Socio-Economic Research (LISER), March, 2023.

Presentations in workshops and winter schools (since 2015):

- ▶ Workshop on *Individual/collective decisions and inequalities*, Montpellier, May 22-23, 2025.
- ▶ Workshop on *Challenging inequalities*, Marseille, September 14-16, 2022.
- ▶ Web-Workshop on *Cross-disciplinary persp. on heterogeneities and inequalities* (INRAE), November 2020.
- ▶ Ecole thématique CNRS sur *l'évaluation des politiques publiques* (ETEPP10), Aussois, March 2019.
- ▶ Winter school on *inequality and social welfare theory* (IT14), Alba di Canazei, January 2019.
- ▶ Workshop on *The measurement of ordinal and multidimensional inequalities*, Rennes, June 18-19, 2018.
- ▶ Winter school on *inequality and social welfare theory* (IT13), Alba di Canazei, January 2018.
- ▶ Workshop on *New challenges in the measurement of economic inequalities*, Aix-en-Provence, June 15, 2017.
- ▶ Workshop on *Inequality and social welfare*, Montpellier, November 18, 2016.

Presentations in seminars and webinars (since 2015):

- ▶ *Normative Economics and Economic Policy webinar (NE&EP)*, February 2026.
- ▶ *French-Japanese webinar in Economics (FJWE)*, October 2025.
- ▶ *Join Seminar of LIS and LISER*, Luxembourg, March 2023.
- ▶ “*Discrete Mathematics, optimisation and decision*” seminar of CES, Paris, October 2018.
- ▶ *Seminar of GATE*, Lyon, March 2017.
- ▶ “*Applied economics*” seminar of CREM, Rennes, March 2017.
- ▶ *Seminar at the University of Verona, department of economics*, Verona, March 2015.

Presentation in conferences (since 2015):

- ▶ *Meeting of the Society for Study of Economic Inequality (ECINEQ)*, Washington DC, July 2025.
- ▶ *2nd III-LIS Comparative Economic Inequality Conference*, Luxembourg, February 2025.
- ▶ *Meeting of the Society for Study of Economic Inequality (ECINEQ)*, Aix-en-Provence, July 2023.
- ▶ *European Meeting of the Econometric Society (EEA-ESEM)*, Manchester, August 2019.
- ▶ *Meeting of the Society for Study of Economic Inequality (ECINEQ)*, Paris, July 2019.
- ▶ *Journées Louis-André Gérard-Varet AMSE*, Aix-en-Provence, June 2019.
- ▶ *Meeting of the Society for Study of Economic Inequality (ECINEQ)*, New-York, July 2017.
- ▶ *Congrès annuel de l'AFSE*, Nice, June 2017.
- ▶ *Journées Louis-André Gérard-Varet AMSE*, Aix-en-Provence, June 2017.
- ▶ *Statistics and demography: the legacy of Corrado Gini*, Treviso, September 2015.
- ▶ *Meeting of the Society for Study of Economic Inequality (ECINEQ)*, Luxembourg, July 2015.

Teaching (since 2015)

2021–2026	Health economics and health inequalities (<i>M1, CHARM - European University</i>).
2021–2026	Decision under risk and uncertainty (<i>M1, Univ. Montpellier – UM</i>).
2018–2020	Public decision (<i>M2, Aix-Marseille School of Economics</i>).
2016–2026	Behavioral economics (<i>M1, UM</i>), applied microeconomics (<i>L3, UM</i>).
2015–2020	Microeconomics (<i>M1, UM</i>).
2013–2026	Social justice (<i>M2, UM</i>).
2012–2026	Labor economics (<i>L3, UM</i>).
2012–2015	Microeconomics (<i>L3, UM</i>), game theory (<i>L3, UM</i>), descriptive statistics (<i>L1, UM</i>).

Grants and Responsibilities

Financed projects:

- ▶ ANR Project “*The many dimensions of inequalities*” (MADIMIN, 2024–2028, €316K), scientific coordinator for the University of Montpellier, project coordinated by N. Gravel (Aix-Marseille Univ., AMSE).
- ▶ ANR Project “*Can marine protected areas alleviate poverty in the context of land desertification?*” (MPA-POVERTY, 2019–2023, €598K), scientific coordinator for CEE-M at the University of Montpellier, project coordinated by D. Mouillot (Univ. Montpellier, MARBEC).
- ▶ International Project (France, India, UK, Norway) financed by the EU-India Social Science and Humanities Platform (EqUIP), “*Challenging inequalities: An Indo-European perspective*” (CHALLINEQ, 2019–2021, €1M), project coordinated by N. Gravel.
- ▶ Coordinator of the ANR Project “*The measurement of ordinal and multidimensional inequalities*” (ORDINEQ, 2016–2022, €230K).
- ▶ Coordinator of the ANR Project “*The preferences for redistribution*” (REDIPREF, 2015–2021, €145K).
- ▶ ANR Project “*The multiple dimensions of inequality*” (MULTINEQ, 2011–2015, €239K), scientific coordinator for the University Antilles-Guyane, project coordinated by P. Moyes (CNRS, GREThA).

Grants and Scholarships:

- Scientific excellence grant (PES: 2013-2017, PEDR: 2019-2024, RIPEC: 2024-2026).
- PhD scholarship, French Ministry of Research (Allocataire de recherche - Moniteur, 2002-2005).

Coordination of research:

- 2024-2029. Member of the Management Team (4 persons) of the interdisciplinary project “*transition, gouvernance, société*” (PTL, €950K), financed by the I-SITE Excellence Program of the University of Montpellier (PTL: successors of the local LabEx projects).
- 2018(jan)-2019(dec). Head of the CEE-M (UMR 5211 – CNRS, INRA, UM, SupAgro).
- 2016(nov)-2017(dec). Head of the LAMETA (UMR 5474 – CNRS, INRA, UM, SupAgro, UPV3).
- 2015 and 2016. Coordinator of the LAMETA research team “*Risk, Preferences and Behavior*”.
- 2010-2012. Founder and coordinator of the CEREGMIA working paper series.
- 2008-2012. Coordinator of the CEREGMIA weekly seminar.

Coordination of education:

- 2022– . Co-responsible of the Master’s degree “economics and psychology”, co-accredited by the Univ. Montpellier and Univ. Paul-Valéry Montpellier 3.
- 2021– . Member of the ‘Knowledge Creating Teams’ (KCT) for the Track ‘Life & Health’ of the European Master’s degree in ‘Global challenges for sustainability’, accredited by the ‘CHARM European University’ (CHARM-EU), a consortium of 8 European Universities.
- 2014-2015. Creation and direction with Dimitri Dubois of the “Diplôme Universitaire” *Connaissances Fondamentales en Informatique et Logiciel Libre* (CFI2L) at the University of Montpellier.

Main organizer of conferences and workshops:

- *Individual/collective decisions and inequalities*, Montpellier, May 22-23, 2025.
- *Challenging inequalities*, Marseille, September 14-16, 2022.
- *New challenges in the measurement of economic inequalities*, Aix-en-Provence, June 14-15, 2017.
- *Inequality and social welfare: preferences, behavior and measurement*, Montpellier, November 17-18, 2016.
- *2nd Conférence de l’Association Française d’Économie Expérimentale*, Schoelcher, May 19-20, 2011.
- Workshop on *Économie expérimentale : développements récents*, Schoelcher, March 11-12, 2010.

Conferences scientific committees:

- *Winter School on Inequality and Social Welfare Theory*–Alba di Canazei, Italy: since 2019.
- *Journées Louis-André Gérard-Varet*–AMSE: since 2016.
- *French Association of Environmental and Resource Economists* (FAERE): 2014.
- *International Doctoral Meeting of Montpellier* (DMM): 2013, 2014, 2018.
- *Association Française d’Économie Expérimentale* (ASFEE): 2011, 2012, 2013.

Hiring committees:

- 2025. *Assistant Professor*: Univ. Paul-Valéry Montpellier 3 (MCF-3500, EPSYLON).
- 2024. *Assistant Professor*: Univ. Strasbourg (MCF-0151, BETA).
- 2019. *Full Professors*: Univ. Montpellier (PR-0014, CEE-M, chair of the committee).
- 2017. *Assistant Professor*: Univ. Lyon 2 (MCF-4318, GATE).
- 2015. *Full Professors*: Univ. Aix-Marseille (PR-2745, PR-5493 and PR-10930, GREQAM), Univ. Guyane (PR-0022, département droit et sciences économiques). *Assistant Professors*: Univ. Montpellier (MCF-0344, LAMETA, chair of the committee), Univ. Aix-Marseille (MCF-1839 and MCF-2778, GREQAM).
- 2014, 2017, 2018, 2019. *PhD scholarships*: Montpellier doctoral school (EDEG, ED231).
- 2013. *Assistant Professors*: Univ. Aix-Marseille (MCF-0811, Chaire d’excellence AMSE, GREQAM), Univ. Montpellier (MCF-0346, LAMETA).

Other administrative/elective activities:

- 2023-2027. Elected member of the “Conseil National des Universités” (CNU, suppléant), Section CNU05.
- 2018– . Elected member of the “conseil d’UFR Economie”, University of Montpellier.

- 2016–2019. Nominated members of the following councils / executive committees: Montpellier doctoral school of economics and management (EDEG, ED231), LabEx CeMEB, LabEx Agro, Labex Entreprendre.
- 2015–2017. Elected member of the LAMETA council.
- 2015. Elected member of the “conseil de section” of the UFR Economie, University of Montpellier.
- 2014–2016. Project manager in charge of the professional integration, Montpellier doctoral school of economics and management (EDEG, ED231) and member of the council.

“Habilitation à Diriger des Recherches” (HDR) supervisions:

- Sébastien Duchêne (Sept. 2021, Associate Prof. at Montpellier Business School).
- Mickael Beaud (2026, Associate Prof. at Univ. of Montpellier).

PhD supervisions:

- Elisa Delor (started in Oct. 2025).
- Amazigh Ferhati (started in Oct. 2022, co-supervisor: Sébastien Duchêne, Montpellier Business School).
- Julia Girard (2021-2025 → Researcher, Agence Française du Développement (AFD), co-supervisors: Emmanuelle Lavaine & Antoine Leblois).
- Camille Salesse (2021-2024 → Post-Doc, CEE-M Montpellier, co-supervisor: Elvire Guillaud).
- Gaëlle Aymeric (2018-2023 → Assistant Prof., Complutense Univ. of Madrid, co-supervisor: Rafael Salas).
- Bilal el Rafhi (2015-2020 → Associate Prof., Univ. Paris 8).

Other supervisions:

- External examiner for HDR defenses: Nicolas Hérault (Oct. 2015, University of Bordeaux, referee), Gilles Joseph (Jan. 2026, Université des Antilles, chair of the committee).
- External examiner for Ph.D defenses: Marc Dubois (Sept. 2016, Univ. Montpellier, examiner & chair of the committee), May Attallah (Oct. 2017, Univ. Rennes 1, examiner & chair of the committee), Paulo Roberto Santos Casaca (Feb. 2019, Univ. Paris 1, France & Univ. Federal de Minas Gerais, Brazil, referee), Enora Belz (June 2021, Univ. Rennes 1, examiner), Michela Piccari (Sept. 2025, Sapienza Università Di Roma, Italy, examiner).