

Arthur Heim

PHD – ANALYSIS AND ECONOMIC POLICIES

Paris, France

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I am an applied economist working on the design and evaluation of public policies to reduce inequalities and poverty in France. My work is mostly based on randomised experiments and microeconometrics for policy evaluation. I also use market design and implement fair assignment mechanisms for daycare seats in French municipalities. I am currently working as project manager in the Research Evaluation and Statistics department (DSER) of the French National family allowance fund (Cnaf).

Appointments



CURRENT POSITION

Research and evaluation officer

Paris (France)

NATIONAL FAMILY ALLOWANCE FUND (CNAF)

Mar 2022–Present

- » I work in the research and statistics department of the institution in charge of all family, disability, housing and minimum income allowances in France. I use these administrative data for policy evaluations and research.
- I designed and ran a randomised control trial of a welfare-to-work programme for single mothers on long term welfare.
- I set-up a multi-site large scale market design experiment in a partnership with École polytechnique to assign daycare seats for local governments in France.

PAST EXPERIENCES

Scientific advisor

Paris (France)

FRANCE STRATÉGIE

Mar 2019–Feb 2022

- » I was a member of the evaluation committee of the national anti-poverty strategy and provided literature reviews, notes and proposals.

PhD candidate and project manager

Paris (France)

NATIONAL FAMILY ALLOWANCE FUND (CNAF)

Mar 2019–Feb 2022

Project manager

Paris (France)

FRANCE STRATÉGIE

Mar 2016–Feb 2019

Project manager

Paris (France)

NATIONAL COUNCIL OF SCHOOL SYSTEM EVALUATION (CNESCO)

Feb 2014–Feb 2016

Education



PhD in Economics

Paris School of Economics - EHESS

ANALYSIS AND ECONOMIC POLICIES (APE)

2019-2024

- » PhD thesis: *Social investment and the changing face of poverty: Essays on the design and evaluation of social and family policies in France*
- PhD advisor: Marc Gurgand
- Jury: Anne Boring, Rafael Lalive, Camille Terrier, Karen Macours
- Online access: [🔗](#)
- Summary in French: [🔗](#)

Master in Economics

Paris School of Economics - EHESS

PUBLIC POLICIES AND DEVELOPPEMENT (PPD)

2012-2013

- » Master thesis: *Public sector as a shelter? The impact of graduating in a recession on selection into public employment.*
- Advisor: Eric Maurin

Bachelor in Applied Economics

Dauphine University, Paris

INTERNATIONAL ECONOMICS AND DEVELOPMENT

2008-2011

University diploma

Dauphine University, Paris

MANAGEMENT AND ECONOMICS

2008-2010

High School diploma

Lycée La Haie Griselle

SCIENCE TRACK

2007

Project management

FIELD EXPERIMENTS

Reliance: Randomised welfare-to-work for single mothers on long term welfare *Nancy (France)*

PRINCIPAL INVESTIGATOR *2017–2024*

- 5 cohorts of roughly 400 single parents randomly assigned each year to a control group or the programme from 2018 to 2022. Panel Data from National Family Allowance Fund.

POSAJE: Multi-arm RCT to foster access to formal early childcare *Paris Area*

ANALYST *2022–2024*

- 1850 pregnant mothers recruited in maternity wards around Paris, randomly assigned to control, information on childcare applications, or information and administrative support.

ISAJE: Market design experiment of daycare assignments with random tie-breaks *7 cities across France*

PRINCIPAL INVESTIGATOR *2020–2025*

- Definition and application of assignment mechanism for daycare seats in 7 large urban area in France for up to 4 years. Researchs on who gets what and why

MESAJE: Measuring the causal effects of accessing daycare *7 cities across France*

PRINCIPAL INVESTIGATOR *2020–2027*

- Matching data from ISAJE to administrative data from the Family allowance fund and other sources to measure the causal effects of accessing daycare

ADAJE: Scaling-up assignment mechanisms for daycare *France*

PRINCIPAL INVESTIGATOR *2023–2027*

- Policy making: building software implementing algorithms built from ISAJE at scale in France

VISAJE: Randomised experiment on the role of information and outside options for childcare choices *France*

PRINCIPAL INVESTIGATOR *2025–2027*

- ERC Grant with Julien Combe

Teaching experiences





External lecturer *Sciences Po Paris*

SCIENCES PO EXECUTIVE: MANAGEMENT OF PUBLIC POLICIES *S2 2024–*

- » lectures on anti-poverty policies in France, methods for public policy evaluation

Teacher assistant: Evaluating public policies *Sciences Po Paris*

MASTER I: PUBLIC AFFAIRS *S2 2018–S2 2023*

- » Teacher assistant of Professor Denis Fougère, 20h supplementary lectures on applied econometrics using R. Sample lectures: Introduction , RCT , and advanced RCT , Diff-in-diff, 

Assistant professor (temporary) *Dauphine University, Paris*

MASTER II: PUBLIC POLICIES AND OPINIONS *S2 2020–S2 2021*

- » 36h Course jointly organised with Clément Lacouette Fougère on public policy evaluations from an economic perspective (18h) while the other part of the class was based on qualitative evaluation

Guest lecturer: Macroeconomics *Dauphine University, Paris*

2ND YEAR BACHELOR ECONOMICS AND MANAGEMENT *S2 2013–S2 2014*

- » 36h course on macroeconomics of open economies and monetary unions + history of the Eurozone.

Languages

French	English	German
Native	Proficient	Basic



Language	Use	Skills
R	<i>Daily</i>	Data wrangling & visualisation ; econometrics, machine learning
Rmarkdown, Quarto	<i>Daily</i>	Reproducible research, integration with \LaTeX , presentations, websites
\LaTeX	<i>Daily</i>	Reports & presentations
MATLAB	<i>Regularly</i>	data formatting, functional programming
GITHUB	<i>Regularly</i>	version control, collaborative research
STATA	<i>Rare</i>	Data manipulation and econometrics
PYTHON	<i>Beginner</i>	Object oriented programming and data science

Publications



Academic papers

EARLY CHILDHOOD CARE AND EDUCATION

Rage against the matching: fairness and inequalities in a market design experiment of daycare assignments in France

2024

WITH JULIEN COMBE

Thesis chapter

- We use market design to define assignment mechanisms for the daycare market. We conduct a field experiment using them in France and analyse who gets what and why.
Draft: [↗](#)
Slides: [↗](#)

Investigating how administrative burden and search costs affect social inequalities in early childcare access, a randomised controlled trial

2024

WITH LAUDINE CARBUCCIA, CARLO BARONE AND CORALIE CHEVALIER

In review at Nature Human Behaviour

- Multi-arm RCT in the Paris region measuring the effects of providing information and administrative support to pregnant women to access formal childcare
Pre-print and replication material: [↗](#)

ACTIVE LABOUR MARKET POLICIES FOR SINGLE PARENTS

Welfare to what ? Experimental evaluation of an activation programme for single mothers in poverty in France

2024

Submitted to the European Economic Review

- RCT of a welfare-to-work programme targetting single parents on long-term welfare in France showing no effect on labour market outcomes
Pre-print and replication material: [↗](#)

Tax burden on the poor Single mothers' optimisation behaviours following an experimental activation programme in France

2024

WITH ALEXANDRA GALITZINE

Thesis chapter

- Intensive margin reactions and effects of family structure of a welfare-to-work programme for single parents consistent with heterogeneous incentives of the French tax-benefit system
Draft: [↗](#)
Slides: [↗](#)

COLLECTIVE WORK ON REPRODUCIBLE RESEARCH

Investigating the analytical robustness of the social and behavioural sciences

2024

MULTI - 100 PROJECT

In review at Nature Human Behaviour

- Conducted replications of Angrist and Lavy (AER 2009) and Behrman et al. (JPE 2015) for the Multi 100 project, examining the impact of analyst choices on research outcomes.

Book in French

1. Heim, A., Steinmetz, C., & Tricot, A. (2015). *Faut-il encore redoubler ?* (Conseil national d'évaluation du système scolaire (Cnesco) & Institut français de l'éducation, Eds.). Réseau Canopé.

Evaluation and policy reports in French

ANTI POVERTY POLICIES

1. Grobon, S., Heim, A., & Huillery, E. (2021). Vers un revenu de base pour les jeunes de 18-24 ans ? État de la recherche et proposition d'expérimentation. In *Comité d'évaluation de la stratégie nationale de prévention et de lutte contre la pauvreté* (France stratégie).
2. Heim, A. (2020). Les effets attendus des mesures sur les modes d'accueil de la petite enfance : Quelques Éléments de littérature. In L. Schweitzer (Ed.), *Comité d'évaluation de la stratégie nationale de prévention de lutte contre la pauvreté: Note d'étape: Vols. Annexe 13*. France Stratégie.

SOCIAL INVESTMENT

1. Fougère, D., & Heim, A. (2019). L'évaluation socioéconomique de l'investissement social. *Rapport, France Stratégie, 2019-06*, 184.
2. Fougère, D., & Heim, A. (2019). L'investissement social à l'épreuve de l'évaluation socioéconomique. *Note d'analyse, France Stratégie*, 8.
3. Heim, A. (2018). *Quand la scolarisation à 2 ans n'a pas les effets attendus: Des évaluations sur données françaises*. France Stratégie.
4. Heim, A. (2017). L'investissement social: quelles significations ? Quelles implications ? *Cahier Français*, 399, 16–21.
5. Heim, A. (2017). Comment estimer le rendement de l'investissement social ? *Document de Travail France Stratégie, 2017-02*.

EDUCATION POLICIES

1. Heim, A., & Galinié, A. (2016). Inégalités scolaires : Quels rôles jouent les cours privés ? In *Contribution au rapport du Cnesco: Les inégalités scolaires d'origines sociales et ethnoculturelle*. Cnesco.
2. Heim, A., & Ni, J. (2016). *L'éducation peut-elle favoriser la croissance ?* (Note d'analyse No. 48). France stratégie.
3. Heim, A., & Steinmetz, C. (2015). Le redoublement en France et dans le monde: Une comparaison statistique et réglementaire. In *Lutter contre la difficulté scolaire: Le redoublement et ses alternatives* (Vol. 1). Conseil national d'évaluation du système scolaire (Cnesco).
4. Heim, A., & Steinmetz, C. (2015). Quelles alternatives au redoublement ? In *Le redoublement en France et dans le monde* (Vol. 3). Conseil national d'évaluation du système scolaire (Cnesco).
5. Heim, A., & Steinmetz, C. (2015). De l'étude de ses impacts à la croyance en son utilité. In *Le redoublement en France et dans le monde* (Vol. 2). Conseil national d'évaluation du système scolaire (Cnesco).
6. Mons, N., Heim, A., & Blanchard-Schneider, A. (2015). *Lutter contre les difficultés scolaires : Le redoublement et ses alternatives. Dossier de synthèse*. Cnesco.

Expertise, consulting and training

Member of the Scientific Council

PREMIER PAS' SEMINAR SERIES

Cnaf - HCFEA - France Stratégie

2020–2022

Member of the Evaluation Committee

STRATEGY FOR THE FIGHT AGAINST AND PREVENTION OF POVERTY, CHAIRED BY LOUIS SCHWEITZER.

France Stratégie

2019–2022

Trainer

IGPDE

- Training civil servants to public policy evaluation

Paris

2018–NA

Trainer

EN3S

- Evaluating Public Health Policies: "New" Evaluation Methods.

Paris

2018–NA



Research Workshop | Training and support for the long-term unemployed

TEPP & LEMMA

- *Tax burden on the poor*

Sables d'Olonne

oct 2024

Research Workshop | Early childcare, inequalities, and women's professional careers

LIEPP & PRESAGE (SCIENCES PO)

- *Rage against the matching*

Paris

may 2024

Research Workshop | Welfare-to-work policies in France

LIEPP (SCIENCES PO)

- *Tax burden on the poor*

Paris

may 2024

J-PAL-IPP seminar

PARIS SCHOOL OF ECONOMICS

- *Welfare-to-What?*

Paris

nov 2020

Public economics seminar

PARIS I SORBONNE

- *Welfare-to-What?*

Paris

dec 2019

OECD expert group: 'What standards of evidence are needed for policy design, implementation and evaluation'

OECD

- *Demand for international standards of evidence : thoughts from a French perspective*, présenté à la réunion du groupe d'expert de l'OCDE 'What standards of evidence are needed for policy design, implementation and evaluation'

oct 2018

International conference: Using educational research and innovation to address inequality and achievement gaps in education

OECD & US INSTITUTE FOR EDUCATION SCIENCES (IES)

- *Income support strategies to reduce inequalities : Insights from France*, International seminar on "Using educational research and innovation to address inequality and achievement gaps in education".

Washington DC

dec 2017

Evaluating public policies conference

ASSOCIATION FRANÇAISE DE SCIENCES ÉCONOMIQUE & DG TRÉSOR

- *Quand la scolarisation à 2 ans n'apporte pas les effets attendus : Analyse quasi-expérimentales à partir du panel 2007*

Paris

dec 2017

Seminar on education policies

LIEPP (SCIENCES PO)

- *École à 2 ans : Une maternelle plus précoce et plus longue améliore-t-elle la réussite des élèves ?*

Paris

jul 2017

Social investment for the youth conference

FRANCE STRATÉGIE

- *L'apport des évaluations des investissements sociaux dans la jeunesse*

Paris

sep 2016