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. I combine field experiments and microeconometrics to study the effects of active labour market policies for single mothers and how administrative support and information can improve access to early childcare services. 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*

» <u>PhD thesis</u>: *Social investment and the changing face of poverty: Essays on the design and evaluation of social and family policies in France*
<u>PhD advisor:</u> Marc Gurgand
<u>Jury</u>: Anne Boring, Rafael Lalive, Camille Terrier, Karen Macours

Master in Economics   *Paris School of Economics - EHESS*
PUBLIC POLICIES AND DEVELOPPEMENT (PPD)   *2012-2013*

» <u>Master thesis</u>: *Public sector as a shelter ? The impact of graduating in a recession on selection into public employment.*
<u>Advisor</u>: 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*

Teaching experiences 👥

External lecturer

Sciences po executive: Management of public policies

SCIENCES PO PARIS

S2 2024—

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

Teacher assistant: Evaluating public policies

Master I: Public Affairs

SCIENCES PO PARIS

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)

Master II: Public policies and opinions

DAUPHINE

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

2nd year bachelor Economics and management

DAUPHINE

S2 2013–S2 2014

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

Programming skills ⬡

Language	Use	Skills
R	*Daily*	Data wrangling & visualisation ; econometrics, machine learning
Rmarkdown	*Daily*	Reproducible research, integration with LaTeX, presentations, websites
LaTeX	*Daily*	Reports & presentations
MATLAB	*Regularly*	data formatting, functional programming
STATA	*Rare*	Data manipulation and econometrics
PYTHON	*Beginner*	Object oriented programming and data science

Research projects

PHD THESIS

Reliance: Randomised welfare-to-work for single mothers on long term welfare

Nancy (France)

RANDOMISED WELFARE-TO-WORK PROGRAMME FOR SINGLE PARENTS ON LONG-TERM WELFARE

2017-06-01–2023-03-01

• 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.

ISAJE

7 cities across France

MARKET DESIGN EXPERIMENT ASSIGNING DAYCARE SEATS WITH RANDOM TIE BREAK

2020-03-01-2024-11-01

• 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

ONGOING RESEARCH PROJECTS

POSAJE

Paris Area

MULTI-ARM RANDOMISED EXPERIMENT OF INFORMATIONS AND ADMINISTRATIVE SUPPORT TO ACCESS FORMAL CHILDCARE

2022-10-01–2023-12-01

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

MESAJE *7 cities across France*

MEASURING THE EFFECTS OF ACCESSING DAYCARE ON LABOUR MARKET OUTCOMES AND GENDER INEQUALITIES *2020-03-01–2027-12-01*

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

ADAJE *France*

SCALING-UP ASSIGNMENT MECHANISMS FOR DAYCARE *2024-03-01–2027-12-01*

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

VISAJE *France*

RANDOMISED EXPERIMENT OF SALIENT INFORMATIONS ON ASSIGNMENT MECHANISMS FOR DAYCARE ON PARENTS STRATEGY *2025-03-01–2027-12-01*

- ERC Grant with Julien Combe

Working papers and ongoing projects ✏️

ONGOING RESEARCHES

The effect of active labour market policies on single mothers' subjective well-being *With Saad Loutfi*

EXPERIMENTAL EVALUATION OF AN ACTIVATION PROGRAMME FOR SINGLE MOTHERS IN POVERTY IN FRANCE *Ongoing: 2024-2025*

- We conducted three waves of survey across 4 cohorts of the Reliance randomised experiment. We analyse the effect of the programme on participants well-being at different moments after the end of the programme.

The effect of accessing daycare on households' earnings *With Julien Combe*

EVIDENCE FROM A MULTISITE MARKET DESIGN RANDOMISED EXPERIMENT IN FRANCE *Ongoing: 2026*

- We used algorithm to assign daycare seats to 20 000 households and we match these data with that of the family allowance fund. We analyse the effect of accessing daycare on labour market participation, couple stability and subsequent inequalities.

COLLECTIVE WORK ON REPRODUCIBLE RESEARCH

Investigating the analytical robustness of the social and behavioural sciences *Multi - 100 project*

Collective: 2024

- Conducted replication analysis of two social and behavioral science studies for the Multi 100 project, examining the impact of analyst choices on research outcomes. Replicated Behrman et al. (JPE 2015) on monetary incentives for students and teachers and Angrist and Lavy (AER 2009) on high-school exam achievement awards.

Publications 📂

BOOK

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.

PRE-DOCTORAL AND POLICY WORK

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.
3. Fougère, D., & Heim, A. (2019). *L'évaluation socioéconomique de l'investissement social* ({Rapport} No. 2019-06; p. 184). France Stratégie.
4. Fougère, D., & Heim, A. (2019). *L'investissement social à l'épreuve de l'évaluation socioéconomique* (p. 8) [{Note de synth{'e}se}]. France Stratégie.
5. Heim, A. (2018). *Quand la scolarisation à 2 ans n'a pas les effets attendus: Des evaluations sur données françaises*. France Stratégie.
6. Heim, A. (2017). L'investissement social: quelles significations ? Quelles implications ? *Cahier Français*, *399*, 16–21.
7. Heim, A. (n.d.). *Comment estimer le rendement de l'investissement social ?* (Note d'analyse No. 2017-02). France stratégie.

8. Heim, A., & Galinié, A. (2016). *Inégalités scolaires : Quels rôles jouent les cours privés ?* [Contribution Au Rapport Du {{Cnesco Les}} In{'e}galit{'e}s Scolaires d'origines Sociales et Ethnoculturelle.]. Cnesco.

9. Heim, A., & Ni, J. (2016). *L'éducation peut-elle favoriser la croissance ?* (Note d'analyse No. 48). France stratégie.

10. Heim, A., & Steinmetz, C. (2015). Le redoublement en France et dans le monde: Une comparaison statistique et reglementaire. In *Lutter conte la difficulté scolaire: Le redoublement et ses alternatives* (Vol. 1). Conseil national d'évaluation du système scolaire (Cnesco).

11. 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).

12. 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).

13. Mons, N., Heim, A., & Blanchard-Schneider, A. (2015). *Lutter contre les difficultés scolaires : Le redoublement et ses alternatives. Dossier de synthèse*. Cnesco.

14. Heim, A. (2014). Au mauvais endroit au mauvais moment? Le devenir des primo-entrants sur un marché du travail en crise [Article]. In *BSI-Economics*.

15. Heim, A. (2014). Emploi: Le fossé du genre, pas si faussé… [Article]. In *BSI-Economics*.

Selected conferences 🏛

Research Workshop | Training and support for the long-term unemployed *Sables d'Olonne*
TEPP & LEMMA — *oct 2024*
- *Tax burden on the poor*

Research Workshop | Early childcare, inequalities, and women's professional careers *Paris*
LIEPP & Presage (Sciences Po) — *may 2024*
- *Rage against the matching*

Research Workshop | Welfare-to-work policies in France *Paris*
LIEPP (Sciences Po) — *may 2024*
- *Tax burden on the poor*

J-PAL-IPP seminar *Paris*
Paris School of Economics — *nov 2020*
- *Welfare-to-What?*

Public economics seminar *Paris*
Paris I Sorbonne — *dec 2019*
- *Welfare-to-What?*

OECD expert group: 'What standards of evidence are needed for policy design, implementation and evaluation' *Paris*
OECD — *oct 2018*
- *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'

International conference: Using educational research and innovation to address inequality and achievement gaps in education *Washington DC*
OECD & US institute for Education Sciences (IES) — *dec 2017*
- *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".

Evaluating public policies conference *Paris*
Association française de sciences économique & DG Trésor — *dec 2017*
- *Quand la scolarisation à 2 ans n'apporte pas les effets attendus : Analyse quasi-expérimentales à partir du panel 2007*

Seminar on education policies *Paris*
LIEPP (Sciences Po) — *jul 2017*
- *École à 2 ans : Une maternelle plus précoce et plus longue améliore-t-elle la réussite des élèves ?*

Social investment for the youth conference

France Stratégie

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

Languages

French	English	German
Native	Proficient	Basic

Languages