

# 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 manage a program turning into a national policy using market designs to assign 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

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## 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.

### 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

## MARKET DESIGN

### 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

### 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

## EDUCATION

### Consensus conference: The effect of grade repetition

International

PROJECT MANAGER

2013–2014

- Conference of consensus where I was in charge of the systematic review, policy brief and training session for the jury

### Social inequalities in education: a review

France

PROJECT MANAGER

2014–2016

- Worked with many research teams on different aspects of the research questions. Conducted on quasi-experimental analysis of the effect of private tutoring

# Expertise, consulting and training

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### Member of the Scientific Council

Cnaf - HCFEA - France Stratégie

PREMIER PAS' SEMINAR SERIES

2020–2022

### Member of the Evaluation Committee

France Stratégie

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

2019–2022

### Trainer

Paris

IGPDE

2018–NA

- Training civil servants to public policy evaluation

### Trainer

Paris

EN3S

2018–NA

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



### 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.

### Assistant professor (temporary)

MASTER II: PUBLIC POLICIES AND OPINIONS

Dauphine University, Paris

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 University, Paris

S2 2013–S2 2014

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

## 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: [↗](#)

**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.

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

Sables d'Olonne

TEPP &amp; LEMMA

oct 2024

- *Tax burden on the poor*

## 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

## Languages

French	English	German
Native	Proficient	Basic

## Programming skills



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