

# 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.*

## 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

### 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 Grisele

SCIENCE TRACK

2007



## External lecturer

SCIENCES PO PARIS

» 4 hour lecture on anti-poverty policies in France

Sciences po executive: Management of public policies

S2 2024—

## Teacher assistant: Evaluating public policies

SCIENCES PO PARIS

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

Master I: Public Affairs

S2 2018–S2 2023

## Assistant professor (temporary)

DAUPHINE

» 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

Master II: Public policies and opinions

S2 2020–S2 2021

## Guest lecturer: Macroeconomics

DAUPHINE

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

2nd year bachelor Economics and management

S2 2013–S2 2014

# Programming skills



Language	Use	Skills
<b>R</b>	Daily	Data wrangling & visualisation ; econometrics, machine learning
<b>Rmarkdown</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>STATA</b>	Rare	Data manipulation and econometrics
<b>PYTHON</b>	Beginner	Object oriented programming and data science

# PhD thesis



## Social investment and the changing face of poverty [↗](#)

A GENERAL INTRODUCTION

Thesis chapter: 2024

• I introduce and motivate the general framework of my PhD by discussing structural changes in education, gender dynamics and politics. I discuss the main contributions of each chapter.

## Rage against the matching [↗](#)

FAIRNESS AND INEQUALITIES IN A MARKETDESIGN EXPERIMENT OF DAYCARE ASSIGNMENTS IN FRANCE

With Julien Combe

Pre-print: 2024

• 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.

## Welfare to what ? [↗](#)

EXPERIMENTAL EVALUATION OF AN ACTIVATION PROGRAMME FOR SINGLE MOTHERS IN POVERTY IN FRANCE

Pre-print: 2024

• I evaluate a randomised experiment of an intensive welfare-to-work programme targeting single parents on long-term welfare in France. I find no effect on labour market participation and poverty after the end of the programme.

## Tax burden on the poor [↗](#)

SINGLE MOTHERS' OPTIMISATION BEHAVIOURS FOLLOWING AN EXPERIMENTAL ACTIVATION PROGRAMME IN FRANCE

With Alexandra Galitzine

Pre-print: 2024

• We challenge the idea that the French tax-benefit system "make work pay" for single parents and analyse reactions following a randomised intensive welfare-to-work programme. Using instrumental distribution regression and fuzzy dif in dif, we find strong heterogeneous reactions at the intensive margin and on families' composition. The latters are consistent with the incentives of the tax benefit system which we interpret as.



## ONGOING RESEARCHES

### Mitigating the socioeconomic gap in early childcare enrolment

With *Laudine Carbuccia, Carlo Barone and Coralie Chevalier*

EVIDENCE FROM A MIXED-METHOD, MULTI-ARM RANDOMISED EXPERIMENT

Ongoing: 2024-2025

- We recruited 1850 pregnant mothers in 7 maternity wards around Paris and randomly assigned them to either receive information on childcare (T1), placebo informations on babies' well-being (C) or information and personalised administrative support for applications (T2). Information has no effect on average but administrative support increases application and access to daycare. However, the increased access to daycare only concerns the high-education group.

### 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 synthèse]. France Stratégie.
5. Heim, A. (2018). *Quand la scolarisation à 2 ans n'a pas les effets attendus: Des évaluations 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'egalit'es 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 contre 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). Synthèse. In *Le redoublement en France et dans le monde* (Vol. 1). Conseil national d'évaluation du système scolaire (Cnesco).

13.

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).

Selected conferences



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?*

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’

Paris  
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