



JEROME FRANCISCO CONCEICAO

Summary

I am a quantitative researcher with a strong interest in socio-economic inequalities, particularly how they are distributed across space and reproduced across generations. Using large-scale administrative data alongside advanced econometric and spatial methods in R, my research examines these dynamics across neighbourhood and urban contexts.

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 Belgian nationality

LANGUAGES

- French** - Mother tongue
- English** - Proficient (C2)
- Spanish** - Intermediate (B2)

TECHNICAL SKILLS

- **Programming & Data Analysis:** R (tidyverse, data.table, ggplot2, sf, Leaflet), SPSS, Excel
- **Methods:** Econometrics, multilevel modelling, longitudinal analysis, spatial analysis
- **Data:** Large-scale administrative data (population register data)
- **Geospatial:** Spatial data analysis (grid-based analysis, mapping, clustering)
- **Other:** Data visualisation, research design

RESEARCH INTERESTS

- Spatial inequality and segregation
- Neighbourhood effects and intergenerational inequality
- Housing inequality and urban exclusion
- Measurement of poverty and inequality

EDUCATION

- **PhD in Urban Studies (Quantitative)** 03 / 2022
Technische Universiteit Delft (TU Delft), The Netherlands ongoing
- **PhD. Thesis:** Quantitatively analysed neighbourhood socio-economic composition and its effect individual income
- **Summer school on Spatial Econometrics** 07 / 2023
University of Essex, United Kingdom 08 / 2023
- **Workshop on Multilevel Modeling using R** 01 / 2023
University of Bristol, United Kingdom 01 / 2023
- **Research Master in European Studies (Quantitative analysis)** 09 / 2019
Maastricht University, The Netherlands 06 / 2021
- **Master's Thesis:** Quantitatively analysed ethnic concentration and its network effect on the labour market integration of newcomers
- **Bachelor in European Studies** 09 / 2016
Maastricht University, The Netherlands 06 / 2019
- **Bachelor's Thesis:** Quantitatively analysed the effect of social capital on the economic integration of migrants
- **Maastricht Research-Based Learning, MaRBLe (Excellence Program)** 01 / 2019
Maastricht University, The Netherlands 06 / 2019

WORK EXPERIENCE

• **Doctoral Researcher in Urban Studies (Quantitative)**

03 / 2022 – ongoing

Technische Universiteit Delft (TU Delft)

Research project analysing the effect of neighbourhood socio-economic composition on individual income

- Undertake quantitative research on neighbourhood effects and spatial inequality using large longitudinal population register data.
- Develop and apply advanced econometric models (e.g., multilevel and longitudinal approaches) to analyse how neighbourhood socio-economic composition shapes individual income trajectories
- Conduct spatial analysis of inequality using fine-grained grid-level data and geospatial methods in R
- Analyse how different operationalisations of poverty, income, and wealth affect empirical results across urban contexts

• **Research internship**

09 / 2020 – 02 / 2021

Centraal Bureau voor de Statistiek (CBS)

- Worked with administrative population data to analyse socio-economic and demographic patterns of integration
- Contributed to a published article in CBS Statistische Trends
- Gained experience in handling large-scale register data and institutional datasets

PUBLICATIONS

- Francisco Conceição, J., Pertovic, A., Van Ham, M., Manley, D. (accepted for publication). The Problem of Uncertain Contextual Characteristics (PUCC): Does it matter how contextual poverty is measured for neighbourhood effect estimation? *Geografiska Annaler: Series B, Human Geography*.
- Francisco Conceição, J., Van Ham, M., Manley, D., Pertovic, A. (under review). Individual or household income: Does it matter how contextual poverty is measured in neighbourhood effects?
- Francisco Conceição, J., Manley, D., Pertovic, A., Van Ham, M. (under review). Neighbourhood wealth and income and their effects on early-career earnings.
- Francisco Conceição, J., Manley, D., Pertovic, A., Van Ham, M. (in progress). Mapping neighbourhood income and wealth configurations: A cluster-based analysis of segregation patterns in the Netherlands.

C O N F E R E N C E S

● **ODISSEI Conference (Utrecht)** 12 / 2024

Presented research on household versus individual income measures in neighbourhood effects.

● **International Conference on Population Geographies (Belfast)** 07 / 2024

Presented final results of the Pucc paper on contextual poverty operationalisation

● **European Colloquium on Theoretical and Quantitative Geography (Braga)** 09 / 2023

Presented early findings on contextual poverty measurement and neighbourhood effects

T E A C H I N G E X P E R I E N C E

● **Co-organiser of a workshop on Geospatial data carpentry with R** 09 / 2018 – 06 / 2020

Technische Universiteit Delft (TU Delft), The Netherlands

● **Course Supervisor (literature review)** 09 / 2024 – 12 / 2024

Technische Universiteit Delft (TU Delft), The Netherlands

● **Followed multiple courses on teaching and presenting (graduate school)** 05 / 2023 – 04 / 2025

Technische Universiteit Delft (TU Delft), The Netherlands

- Foundations of Education Design
- Assessing students and Master thesis
- Small group teaching and Lecturing
- Voice training
- Presenting your research