

Wim van Duuren

ABOUT ME

Aspiring Data Scientist with a strong background in Econometrics and Software Development. Practical experience at the **Ministry of Finance** and both universities with large datasets and statistical problems. Skilled in supervised and unsupervised learning, algorithms and statistical modeling. Fluent in many programming languages, such as **Python, R, and SQL**, allowing quickly for a useful contribution within an organization. **Hardworking, reliable, and eager** to apply analytical and programming skills in a Data Science internship.

EDUCATION

M. Econometrics, Statistics - Data Science for Social Sciences Toulouse School of Economics	Sep. 2025 – Present Toulouse, FR
• Courses: Stochastic Methods for Optimization and Sampling, High-dimensional Data Analysis and Machine Learning, Martingales Theory and Applications • Skills: R, Data Analysis, Machine Learning	
B.Sc. Econometrics and Operations Research Tilburg University	Sep. 2019 – Jan. 2025 Tilburg, NL
• Courses: Operations Research Methods, Econometrics for Policy Analysis, Quantitative Finance, Computational Aspects in Econometrics • Skills: Python, Problem Solving, Analytical Reasoning	

WORK EXPERIENCE

Software Development Trainee Ministry of Finance	Sep. 2024 – Sep. 2025 Apeldoorn, NL
• Created and used large databases • Designed and implemented data handling solutions in .NET • Optimized the applications for over 12 million users yearly • Worked in a Scaled Agile Framework environment • Skills: SQL, C#, Teamwork	
Mathematics Teacher 2College Cobbenhagenlyceum	Apr. 2021 – Jul. 2023 Tilburg, NL
• Taught pre-university level Mathematics at high school • Mentored students • Skills: Presenting, Reliable, Leadership	

PROJECTS AND RESEARCH

⌚ Interactive Wage Predictor: A Shiny Application R Toulouse School of Economics	Fall 2025
• Built a Shiny web application to predict monthly wages from demographic and labor characteristics • Trained and compared Machine Learning models • Created dynamic visualizations and auto-updating avatars based on model features • Skills: Linear Regression, Decision Tree, Random Forest	

⌚ Support Vector Machines: Proposals For Dealing With Misclassifications | MATLAB

Fall 2024

Tilburg University

- Designed new SVMs mathematically to better handle misclassifications in datasets
- Simulated datasets with overlapping classes, outliers, and mislabeled data points
- Tested models and analyzed performance in supervised learning settings
- Skills: **Supervised Learning, Mathematical Modeling, Experimental Design**

⌚ Clustering Publications Using Scoring | Python, SQL

Fall 2023

Tilburg University

- Applied unsupervised learning techniques to cluster publications based on scoring metrics
- Performed data cleaning and preprocessing on large raw publications dataset
- Used SQL to retrieve and store data
- Skills: **Unsupervised Learning, Data Engineering, Text Analysis**

VOLUNTEERING

Active Member

TRB-RES | Swimming Club

Sep. 2020 – Jul. 2025

Tilburg, NL

- Organized activities and provided training for all ages
- Skills: **Coaching, Training, Communication**

Active Member

Asset Econometrics | Study Organization

Sep. 2019 – Aug. 2022

Tilburg, NL

- Organized informal activities for students
- Skills: **Collaboration, Creativity, Networking**

Board Member

ZPC Woerden | Swimming Club

Sep. 2018 – Jul. 2020

Woerden, NL

- Managed the activities of 200 members
- Responsible for the training of the youth
- Skills: **Management, Responsibility, Decision-making**

CERTIFICATIONS

⌚ Azure Fundamentals (AZ-900)

May 2025

Microsoft

- Azure management and governance
- Azure architecture and services
- Cloud concepts

.NET Developer

Feb. 2025

Ministry of Finance, Info Support

- Core programming and testing with C# and LINQ
- Developing databases, writing queries and EF Core
- Advanced programming with Multithreading in C#
- Scrum, Continuous Delivery with Docker and Azure DevOps
- Azure Development and Secure Programming

LANGUAGES

Dutch (native)

English (professional)

French (beginner)

Italian (beginner)