

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 Sep. 2025 – Present
Toulouse School of Economics 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 Sep. 2019 – Jan. 2025
Tilburg University 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 Sep. 2024 – Sep. 2025
Ministry of Finance 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 Apr. 2021 – Jul. 2023
2College Cobbenhagenlyceum 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** Fall 2025
Toulouse School of Economics


- 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 <i>MATLAB</i> Tilburg University <ul style="list-style-type: none"> 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 	Fall 2024
 Clustering Publications Using Scoring <i>Python, SQL</i> Tilburg University <ul style="list-style-type: none"> 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 	Fall 2023

VOLUNTEERING

Active Member TRB-RES Swimming Club <ul style="list-style-type: none"> Organized activities and provided training for all ages Skills: Coaching, Training, Communication 	Sep. 2020 – Jul. 2025 Tilburg, NL
Active Member Asset Econometrics Study Organization <ul style="list-style-type: none"> Organized informal activities for students Skills: Collaboration, Creativity, Networking 	Sep. 2019 – Aug. 2022 Tilburg, NL
Board Member ZPC Woerden Swimming Club <ul style="list-style-type: none"> Managed the activities of 200 members Responsible for the training of the youth Skills: Management, Responsibility, Decision-making 	Sep. 2018 – Jul. 2020 Woerden, NL

CERTIFICATIONS

 Azure Fundamentals (AZ-900) Microsoft <ul style="list-style-type: none"> Azure management and governance Azure architecture and services Cloud concepts 	May 2025
.NET Developer Ministry of Finance, Info Support <ul style="list-style-type: none"> 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 	Feb. 2025

LANGUAGES

Dutch (native)
English (professional)
French (beginner)
Italian (beginner)