



Sjoerd Dikkerboom

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Summary

Pragmatic in project management and problem solving with a positive attitude. I like to work on challenging projects and to always look for better ways to use the available data and methods. Will adapt new technologies and tools when needed. Sometimes I will even do this for fun in my spare time and write about it, on my blog.

Work Experience

MUNICIPALITY OF NIJMEGEN

Nijmegen, The Netherlands

Advisor Data Science & Research

Jan. 2014 - Present

- Lead a team of 3 persons to modernize ongoing economic research to help colleagues and local entrepreneurs to reach their goals in overall economic growth and improve the local business climate (nijmegen.nl/vestigingsklimaat).
- Lead a project team of 6 persons from three governmental agencies to make and publish the regional economic monitor (Regionale Economische Monitor). To monitor progress on economic and sustainability goals within the Arnhem and Nijmegen region. And consult with involved colleagues and politicians about the results.
- Set up a biennial research project about innovation within the municipality of Nijmegen. To monitor startup climate and to increase the retention of successful, growing businesses. Combining information from large (open) data sources, Natural Language Processing and targeted interviews with startup entrepreneurs.
- Analyze and model movement data from cameras and sensors to assess and improve usage of public space in the city of Nijmegen. Using forecasting and random walk models on streaming data from a GraphQL API.
- Develop a Neural Network to calibrate air quality sensor data from low cost sensors deployed by citizens within the 'Smart Emission' project (<http://smartemission.ruhosting.nl/>).

ITS & KBA

Nijmegen, The Netherlands

Research Assistant

2009-2014

- Conducting interviews, gather data and analyze data. Mainly in the fields of education, housing, transport and logistics.

Education & Courses

EDUCATION

2009-2011

Msc in Urban Geography,

Utrecht University

2004-2008

Msc in Sociology,

Radboud University

COMPLETED COURSES

2019

Machine Learning,

LOI

2018

Creative Writing,

Nijmegenschool

2016

Datascience with R,

Tridata

Skills

EXPERT

R/ Rstudio, Tableau, SQL, MS Office, SPSS

INTERMEDIATE

Python, Google Analytics, HTML/ CSS, Git, LaTeX, AWS

FLUENT LANGUAGES

Dutch (Native), English

BEGINNER LANGUAGES

Chinese, German, French, Spanish