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## Data science for tax administration

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### Citation

Pijnenburg, M. G. F. (2020, June 24). *Data science for tax administration*. Retrieved from <https://hdl.handle.net/1887/123049>

Version: Publisher's Version

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**Note:** To cite this publication please use the final published version (if applicable).

Cover Page



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**Author:** Pijnenburg, M.G.F.

**Title:** Data science for tax administration

**Issue Date:** 2020-06-24

# Acknowledgements

I am grateful for the many great moments this PhD track has brought to me. It offered an opportunity to see the richness of the field and I have been able to meet many fascinating people. In particular I would like to thank the persons below.

To start, I would like to thank Annette for encouraging me to follow the direction of my heart. Without her support, I would not have dared to start this PhD track. Also, I would like to thank Gert Willem Haasnoot from The Curious Network and Joan van der Zee, coach at the Belastingdienst. Both have encouraged me at the initial stage when the PhD track was still just an idea. With hindsight, the decision to quit my position as a CFO advisor and to start working as a data scientist and part-time PhD candidate has been a good one.

Many thanks also to the people that made possible this track, in particular Nicole Back and Cees Bredius, directors at the NTCA, who put confidence in the track and me. I also appreciate dearly the possibilities the NTCA has offered to complete this piece of research. I am also grateful for the help that was given by prof. dr. mr. Lisette van der Hel RA and prof. dr. Bert Kersten, to initialize the PhD track.

All beginnings are difficult. In the first year, Herman Hoorweg has played a pivotal role. His curiosity to know what Analytics can actually contribute to a tax administration has been the spark for the first article. After that initial paper, spotting interesting topics has been much easier.

The greatest ‘thank you’ goes without any doubt to my co-promotor dr. Wojtek Kowalczyk. I want to thank him for being a great master in Data Science for me. I also want to thank him for the courage to start this PhD in the first place: a track that has been surrounded by many uncertainties initially. And last but not least, for being a wonderful person. I will definitely miss our talks.

Finally, I would like to thank dr. Frank Takes for providing the latex template for this dissertation.



# Curriculum Vitae English

Mark Pijnenburg was born on May 7, 1979 in Heerlen. Mark completed grammar school at the Bernardinuscollege in 1997 (summa cum laude). In 2003 he obtained his master's degree in Mathematics (cum laude) from the Radboud University.

After this, Mark worked for two years for Eindhoven University of Technology in the program 'Mathematics for Industry' of the Stan Ackermans Institute. After a final project at DSM Research, the program was completed in 2005. In 2009, the Amsterdam MBA was completed at the University of Amsterdam (cum laude).

In 2006 Mark joined the Tax Authorities in Utrecht. Various positions followed with the Tax Authorities, including 'quantitative researcher', 'business analyst' and 'advisor to the CFO'. In 2014, the position started as a Data Scientist. And later that year, the parallel PhD track started at the Leiden Institute for Advanced Computer Science (LIACS) of Leiden University, with this thesis as the final result.



# Curriculum Vitae Nederlands

Mark Pijnenburg is geboren op 7 mei 1979 te Heerlen. In 1997 rondde Mark het gymnasium af bij het Bernardinuscollege (summa cum laude). In 2003 behaalde hij aan de Radboud Universiteit zijn master Wiskunde (cum laude).

Hierna werkte Mark twee jaar voor de Technische Universiteit Eindhoven in het programma 'Mathematics for Industry' van het Stan Ackermans-instituut. Na een eindopdracht bij DSM Research werd het programma in 2005 afgerond. In 2009 werd de Amsterdam MBA afgerond bij de Universiteit van Amsterdam (cum laude).

In 2006 trad Mark in dienst bij de Belastingdienst te Utrecht. Bij de Belastingdienst volgden verschillende functies, waaronder kwantitatief onderzoeker, business analist en adviseur van de Chief Financial Officer. In 2014 startte de functie als Data Scientist. En later dat jaar begon het parallelle promotietraject bij het Leiden Institute for Advanced Computer Science (LIACS) van de Universiteit Leiden, met dit proefschrift als eindresultaat.





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# Publication List Author

Below follows a chronological list of publications by the author.

1. M. Pijnenburg. Simulation of rubber networks. Technical report, Stan Ackermans instituut, 2005. ISBN: 9044404784
2. V. Bentkus, G. Geuze, M. Pijnenburg, and M. van Zuijlen. Unimodality: The symmetric case. Technical report, Radboud University Nijmegen, 2006
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