Thomas Huijskens

Education

October 2014 - October 2015	MSc in Applied Statistics , <i>University of Oxford</i> . Graduated with distinction.
Master thesis	Based on a gigabyte-scale data set of taxi trajectories, I developed a machine learning pipeline that predicts the total travel time of a taxi trip, when the destination is unknown.
Selected courses:	 Machine learning (data compression, clustering, neural networks, random forests, support vector machines, model ensembles). Markov chain Monte Carlo methods (Gibbs sampling, Metropolis-Hastings sampling, reversible jump and sequential Monte Carlo methods).
September 2010 - July 2013	BSc in Applied Mathematics , <i>Delft University of Technology</i> , GPA: 8.4/10. Graduated with distinction.
Bachelor thesis	I developed and implemented numerical methods that solve backward stochastic differential equations. I analysed the performance and complexity of the methods on a number of toy problems from mathematical finance.
September 2012 - February 2013	Semester abroad , <i>ETH Zürich, Department of Mathematics</i> , GPA: 8.6/10. As part of my BSc studies, I studied abroad at ETH Zürich. I completed a selection of courses that were part of the MSc in Statistics, and the MSc in Quantitative Finance at ETH Zürich.
	Experience
November 2015 - Present	Data scientist , <i>Tesco PLC</i> , London. As a Data Scientist in the Clubcard Analytics team I build out data products and do product deep-dive research for the other teams within Clubcard, based on terabytes of customer data. I have been part of a number of projects, including, but not limited to:
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Citizenship Dutch and U.S. citizenship.

Publications

T.P. Huijskens, M.J. Ruijter, C.W. Oosterlee, Efficient numerical Fourier methods for coupled forward-backward SDEs, Journal of Computational and Applied Mathematics 296 (2016): 593-612.