Stefan Bloemheuvel

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Education

2019–present **PhD Candidate**, *Tilburg University*, Tilburg, the Netherlands.
advisor: Professor dr. Martin Atzmueller

2018–2019 **MSc, Data Science & Society**, *Tilburg University*, Tilburg, the Netherlands.
advisor: Professor dr. Martin Atzmueller
thesis: 8.5

2015–2018 **BSc, Communication and Information Sciences**, *Tilburg University*, Tilburg, the Netherlands.
advisor: dr. Marie Postma
thesis: 8.5

Experience

2019–Present **PhD Candidate**, *Tilburg University*, Tilburg, the Netherlands.
Researching new machine learning directions in the field of graph theory
Working in the INTERREG Di-Plast to digitalize the Plastics Recycling Industry

2018-present **Researcher**, *CSlab*, Tilburg, the Netherlands.
Researcher at the Computational Sensemaking Lab (CSLab) that focuses on how to 'make sense' in the context of complex information and knowledge processes. This is enabled by developing computational methods and tools for advanced modeling, explicative analysis, and transparent decision-support.

2017-2019 **Research Assistant**, *TIAS School for Business and Society*, Tilburg, the Netherlands.
Research into the Dutch housing market at TiSEM (Tilburg School of Economics and Management) and TIAS (School for Business and Society)

Publications

Stefan Bloemheuvel, Martin Atzmueller, and Marie Postma. Evolution of contacts and communities in social interaction networks of face-to-face proximity. *Proceedings of BNAIC. Jheronimus Academy of Data Science, Den Bosch, The Netherlands*, 2018.

Martin Atzmueller, Stefan Bloemheuvel, and Benjamin Kloepper. A framework for human-centered exploration of complex event log graphs. In *International Conference on Discovery Science*, pages 335–350. Springer, Cham, 2019.

Stefan Bloemheuvel, Martin Atzmueller, and Marie Postma. Stratification-oriented analysis of community structure in networks of face-to-face proximity. In *Behavioral Analytics in Social and Ubiquitous Environments*, pages 28–43. Springer, Cham, 2015.

Jurgen Van Den Hoogen, Stefan Bloemheuvel, and Martin Atzmueller. The di-plast data science toolkit–enabling a smart data-driven digital circular economy for the plastics industry.

Stefan Bloemheuvel, Benjamin Kloepper, Jurgen Van Den Hoogen, and Martin Atzmueller. Enhancing sequential pattern mining explainability with markov chain probabilities.

Stefan Bloemheuvel. *Graph Summarization of Industrial Event Log Data*. PhD thesis, Tilburg University, 2019.

Talks

20120 **Sunbelt**, *INSNA*, Paris, France.
Complex Network Modeling of Supply & Demand Data: An Application Case in the Plastics Recycling Industry