

Lecture with Computer Exercises:

Modelling and Simulating Social Systems with Python

Project Report

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| **Simulation of the Intersection between Tannenstrasse and Universitätsstrasse with traffic lights** |

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Zürich  
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**Agreement for free-download**

We hereby agree to make our source code for this project freely available for download from the web pages of the SOMS chair. Furthermore, we assure that all source code is written by ourselves and is not violating any copyright restrictions.

Nico Burger Leo Fent Jérôme Landtwig Pascal Lieberherr

.... Declaration of Originality needs to be added

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# **Abstract**

Authors: Nico Burger, Leo Fent, Jérôme Landtwig, Pascal Lieberherr

Title: Implementation of a traffic light system at the intersection between Tannen- and Universitätsstrasse

# **Individual contributions**

# **Introduction and Motivation**

## **2.1 Motivation**

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## **2.2 Fundamental Questions**

## **2.3 Expected Results**

# **3 Description of the Model**

# **4 Implementation**

# **6 Performed simulations**

# **7 Simulation Results and Discussion**

## **7.1 Summary and Outlook**

# **8 Python source Code**