



## MASTER THESIS (m/f)

**Course of Studies:** Data Analytics, Transport Modelling, Economics or equivalent fields  
**Subject:** Transport Choice Modelling for future mobility services

**We want to hire a Master Graduate who is passionate about Modelling the future of mobility.**

MOIA is an innovative mobility company that will change people's lives by re-imagining urban mobility. MOIA will create services that enable more people to move more freely and securely, ultimately making cities better places to live. We will free up the movement of people and goods within cities whilst making mobility accessible to everyone.

That means we will:

- Make city traffic clean, safe and silent
- Create more time and space for people
- Bring affordable and convenient mobility to everybody

We would be delighted if you were to accompany us on this exciting and challenging journey. We are not only looking for candidates to fill our job vacancies; we want you as a crucial part of our team. Our core competence is passion.

### What you will do

- Evaluation and selection of a suitable choice modelling method for future mobility services
- Development of a survey concept for choice modelling with implementation of data structure
- Implementation and evaluation of the model for defining the utility function and choice probability (MVP)
- Possible integration methods of the developed model into MATSim

### What we expect

- Completed Bachelor degree and currently enrolled in Master Program in Data Analytics, Transport Modelling, Economics or in an equivalent field
- Hands-on experience of the scripting languages Python and R
- Motivation to bring theoretical aspects of modelling into practical application
- Understanding and experience with MATsim, knowledge in data structure and databases (e.g. sqlite) and basic understanding of choice modelling
- Professional English language skills, German is a plus

### What we offer you

We are a new company and a fast-growing team. We see things from a people perspective, observing, learning and responding to their social needs. We are always curious to find better ways to do things and so we question everything. We are driven by the possibilities better urban mobility solutions can unlock. We work with different people, disciplines and companies to make great things happen. MOIA offers a unique opportunity as it combines the best of the startup and corporate worlds. We are an innovative new business based in top locations such as Berlin and Hamburg, but are also backed by a large corporate parent providing funding, resources, know-how and commitment.

Our work is dedicated to transforming the lives of billions – you will be part of this vision.

**Apply today and send us your application to [jobs@moia.io](mailto:jobs@moia.io) and label the subject line of your email "Application: Master in Data Analytics"**



## Working Student Data Analytics (m/f)

**Course of Studies:** Data Analytics, Transport Modelling, Economics or equivalent fields  
**Subject:** Transport Choice Modelling for future mobility services

### We want to hire a Working Student who is passionate about Modelling the future of mobility.

MOIA is an innovative mobility company that will change people's lives by re-imagining urban mobility. MOIA will create services that enable more people to move more freely and securely, ultimately making cities better places to live. We will free up the movement of people and goods within cities whilst making mobility accessible to everyone.

That means we will:

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### What you will do

- Implementation and evaluation of the model for defining the utility function and choice probability (MVP)
- Implementation of concept for choice modelling with implementation of data structure
- Support evaluation and selection of a suitable choice modelling method for future mobility services

### What we expect

- Currently studying Data Analytics, Transport Modelling, Economics or in an equivalent field enrolled in Bachelor or Master program
- Hands-on experience of the scripting languages Python and R
- Knowledge in data tools (e.g. sqlite) and MATsim is a plus
- Professional English language skills, German is a plus

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