At the Chair of Logistics and Supply Chain Management of TUM School of Management and the Chair of Automotive Technologies at the Department of Mechanical Engineering we are looking for an interested and qualified student to conduct his/her

Interdisciplinary Project

on the topic:

Data Collection (Disruption of Public Transport Service)

We believe that the current quality of the public transport has substantial influence on the demand for both carsharing and taxi. However, we lack the data on disruptions of public transport services to support this statement.

A qualified student will build a web crawler with a programming language of her/his choice and save the data in an easily readable format. Further, a qualified student will analyze the influence of those disruptions on the demand.

Selected research tasks:

- Building a crawler
- Statistical tests for a small subset of the data (i.e., first month), comparison to existing data
- Attending a course (i.e., Transportation Logistics, or Modelling, Simulation and Optimization)
- Preparation of a report and a presentation

Requirements:

The project is for Master students of the study program Computer Science. The ability to work independently as well as analytical skills are required. Proficiency in a programming language is mandatory. Prior experience with web crawlers, statistics and optimization is preferred. The project report should be written in German or English.

Begin: as soon as possible

Advisor: Layla Martin (Logistics and Supply Chain Management), Michael Wittmann (Automotive Technologies)

Application: Email with curriculum vitae and transcript of records to logtheses.wi@tum.de or michael.wittmann@tum.de