At the Chair of Logistics and Supply Chain Management of TUM School of Management we are looking for an interested and qualified student (team) to conduct his/her (their) Interdisciplinary Project on the topic:

**Machine Learning for Image Recognition in Logistic Applications**

For our research, we apply image recognition to satellite imagery and subsequently use the generated data in logistic applications. A qualified student will collect a relevant test dataset, train a supervised machine learning algorithm and test some simple hypotheses on the generated data in a first use case.

**Selected research tasks:**
- Collecting dataset (satellite imagery), incl. labelling of training data
- Training & testing a supervised learning algorithm for image recognition
- Interpret & apply data for a selected logistic application
- Attending a course (e.g., Modelling, Optimization and Simulation, Computational Logistics, Logistics and Supply Chain Management)
- 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 (preferably Python) is mandatory. Prior experience with Machine Learning algorithms strongly preferred. The project report should be written in German or English.

**Begin:** as soon as possible

**Advisor:** Tobias Crönert

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