TomTom provides navigation and smart mobility services to institutions and end users on the road. Mobility services are based on collecting data from end points and subsequently processing them into useful information. There is a continuous growth of versatility and quality of these services. Following are outlines of three potential graduation projects.

**Predicting workloads to steer platform capacity**
Availability of mobility services is very important and depends, a.o., on the load on the platform that provides the service. When the load is higher another service engine is started and load is redistributed accordingly, but this takes time. There is variability in the service requests, but for many services there is a regular pattern with peaks and lows. This project concerns the creation of an algorithm that takes the decision to start a new engine based on historical data and taking parameters and metrics (penalties) into account.

**Guiding towards a parking spot**
The purpose of this project is to design a smartphone app that leads customers to an available parking spot. This will be based on available data, where part of the work will be to investigate whether this data is sufficient to provide a certain quality.

**Determining and improving ETA reliability**
A key selling point of TomTom’s navigation services is ETA (Estimated Time of arrival) reliability. The goal of this project is to measure the prediction performance of ETA using real time data and to collect proof points in sales.