Topic and Goal of the Thesis

Over the past years, the efforts towards automated driving have intensified. Many projects and several companies record masses of data from automated vehicles on public highways. But do the already recorded data cover a wide enough spectrum of highways? Or do additional trips need to be recorded on more highways? This is one of the questions that this thesis seeks to answer.

Working Points

- Literature research on definitions and occurrence of scenarios on highways
- Development of a modular concept for the analysis of highway chauffeur data
- Implementation of indicators for the calculation of the coverage of highway parameters
- Evaluation of the implementation using data of highway chauffeurs.
- Documentation of the results

Requirements

- Good English or German language skills
- Excitement for topics with regard to automated driving
- Good knowledge in a programming language (preferably Python)
- Reliability, commitment and enjoyment of working independently.