



Bachelorarbeit / Studienarbeit / Forschungsarbeit

Develop an efficient Data Annotation Method for Lane Detection

Beschreibung

The advancement of automated driving technology has been a subject of extensive research and development in recent years. A critical aspect of automated driving systems is the ability to detect and understand lane markings on the road. Data annotation, specifically for lane detection, is essential to train and evaluate machine learning models. However, manual annotation of vast datasets is time-consuming and labor-intensive, thus necessitating the development of automated or semi-automated data annotation methods.

This work addresses the need for efficient lane data annotation methods. It focuses on the development of a system that automates or semi-automates the process of labeling lane markings in images and videos. Such a system can significantly reduce the manual annotation workload, accelerate the training of lane detection models, and ultimately contribute to the advancement of automated driving.

Tasks:

- Comprehensive literature review on this topic
- Develop an annotation method
- Implement the method
- Documentation and presentation of the results

Beginn

ab sofort

Voraussetzungen

- Gute Kenntnisse in Python, neuronalen Netze, OpenCV
- Eigenständige, strukturierte und methodische Arbeitsweise
- Sehr gute Deutsch- und Englischkenntnisse
- Vollständige Bewerbungsunterlagen (Lebenslauf, aktueller Notenspiegel)

Kontakt: Kun Gao
E-Mail: kun.gao@fkfs.de

Anmeldung und FAQ's zum Thema wissenschaftliche Arbeiten – [hier](#) klicken