In the »Data Systems and Travel Assistance« group, we develop and test systems for the supervision of autonomous vehicles and remote working agricultural field robots. Besides live monitoring, the analysis of achieved operation quality regarding several parameters is of great importance.

To improve our software stack for analysis, we want to detect anomalies and derive helpful information for human vehicle supervisors from our data. You can help us build a state-of-the-art machine learning application ranging from visualization of statistical data to live detection of hazardous situations. We are looking for a motivated student who enjoys the technical challenge and would like to work with the complete workflow of data collection, processing, and analysis.

Your tasks:
- selection and preprocessing of appropriate data sets
- statistical analysis of real and simulated data
- application of machine learning methods for anomaly detection
- evaluation of the results

Your profile:
- student of computer science, mathematics, or related fields
- theoretical background in statistics and machine learning
- skills and experience in programming with Python
- hands on experience with a machine learning framework like scikit-learn, Keras or TensorFlow
- experience with Docker and databases is bonus
- initiative and commitment
- a structured working process and abstraction capabilities

YOU ARE PASSIONATE ABOUT DATA SCIENCE AND EXCELLENT PROGRAMMING SKILLS ARE YOUR STRENGTH? COME JOIN US AT FRAUNHOFER IVI IN DRESDEN AS A

STUDENT ASSISTANT IN THE DEVELOPMENT OF MACHINE LEARNING SOFTWARE

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