

Software Lab – Bus health insights based on autonomous data analytic with LLM agents

Task

Your task will be to propose ideas how autonomous Large Language Model (LLM) agents help bus operators to get better insights into their fleet. You will build an interactive prototype to verify and test the ideas viability. Build a user interface for non-technical users to ask questions about their fleet, about statistics, and about specific buses or failures to receive a summary of information gained from AWAKE's data sources.

General Instructions

- Identify potential use cases
- Validate availability of data and requirements
- Build an automated AI agent prototype in python
- Optional: build a web interface for feedback and testing

Supervisor

Dominik Irimi, AWAKE Mobility, dominik.iri@awakemobility.de

Steve Schäfer, AWAKE Mobility, steve.schaefer@awakemobility.de

References

<https://www.awakemobility.de/>

Wang, Lei et al. "A Survey on Large Language Model based Autonomous Agents." ArXiv abs/2308.11432 (2023): n. pag.

Naveed, Humza et al. "A Comprehensive Overview of Large Language Models." ArXiv abs/2307.06435 (2023): n. pag.

Project Characteristics

