

# **AMSE/SAKI 2023 Project**

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# Structure

- ▶ Question
- ▶ Data sources
- ▶ Results
- ▶ Problem

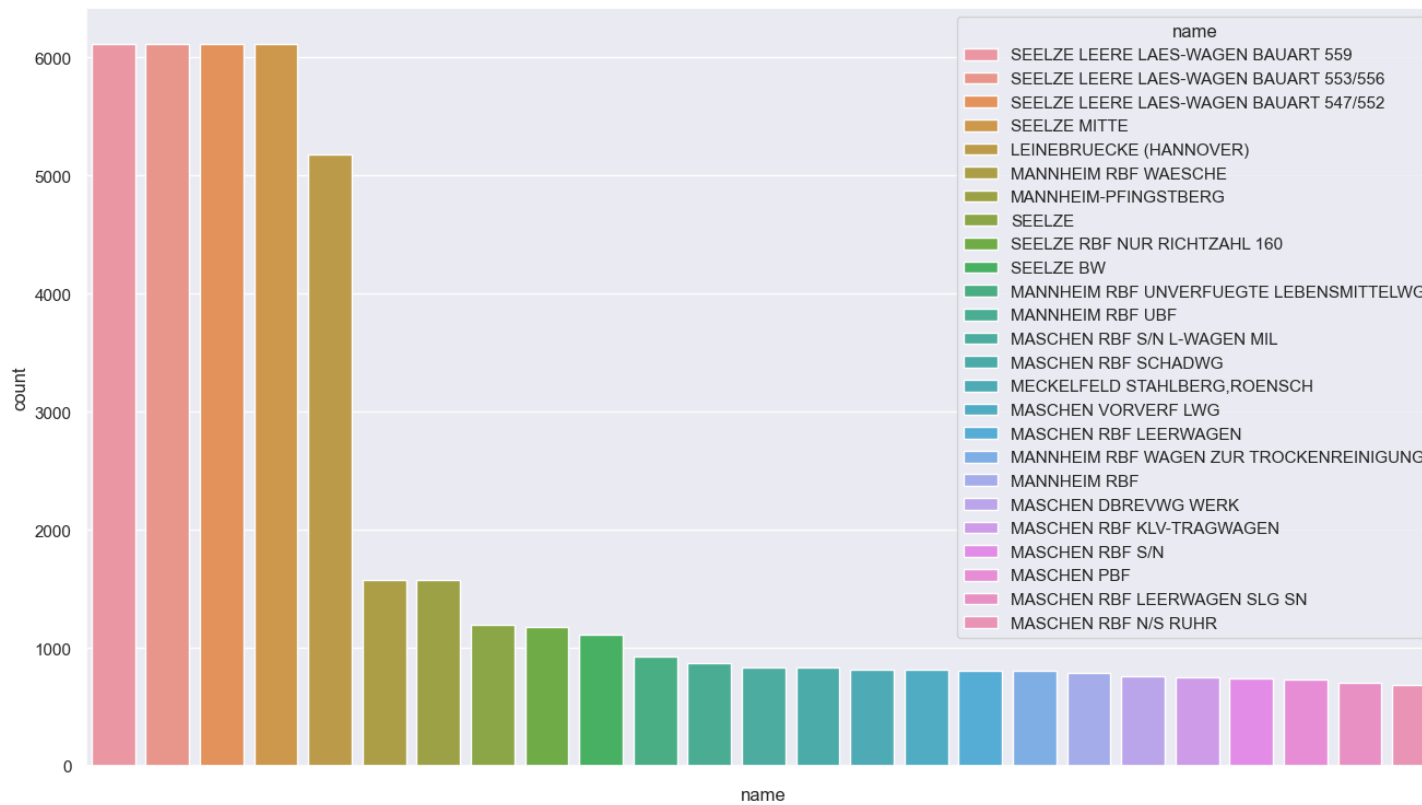
# Question

- ▶ What DB Cargo AG location might be the reason for the most shock events?

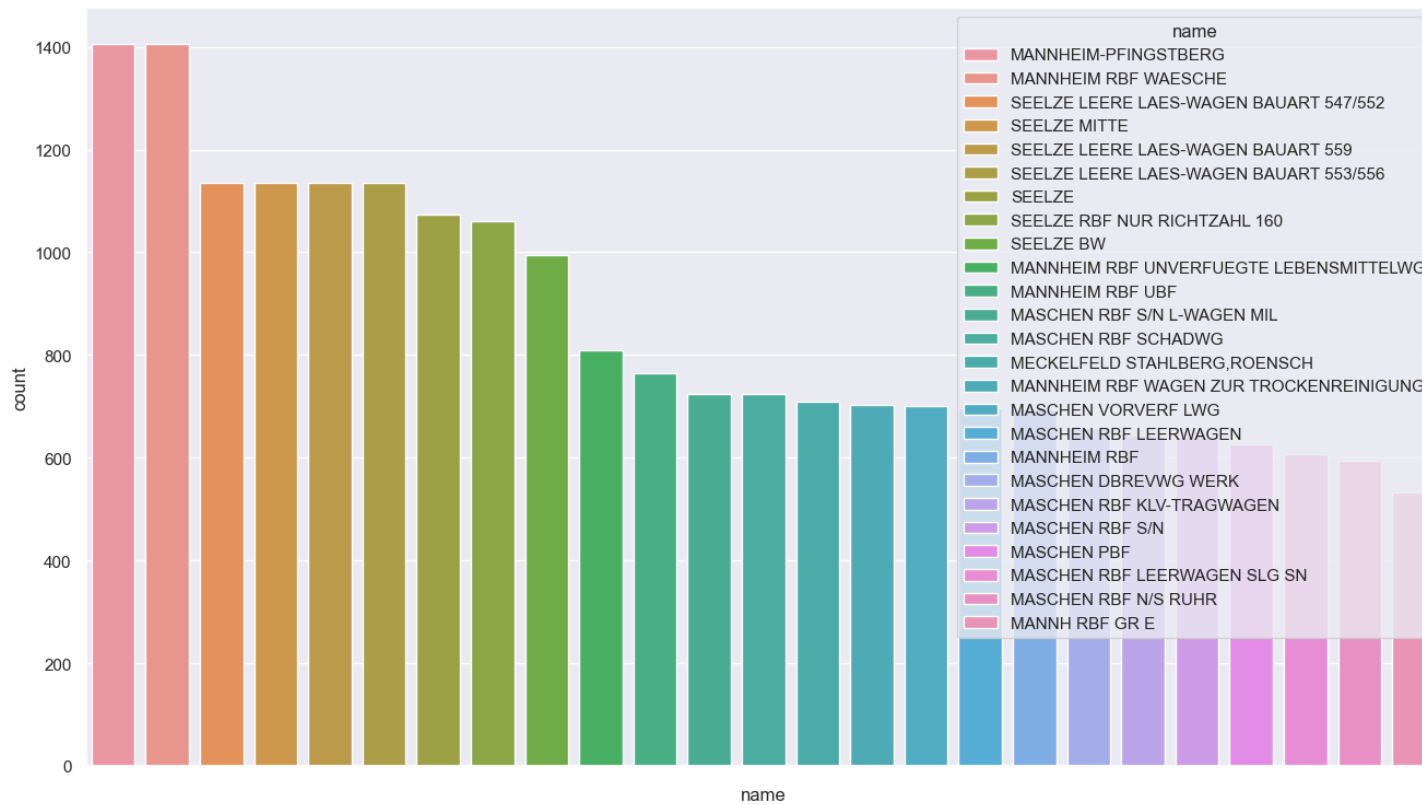
# Data sources

- ▶ To answer the question the two data sources have been evaluated

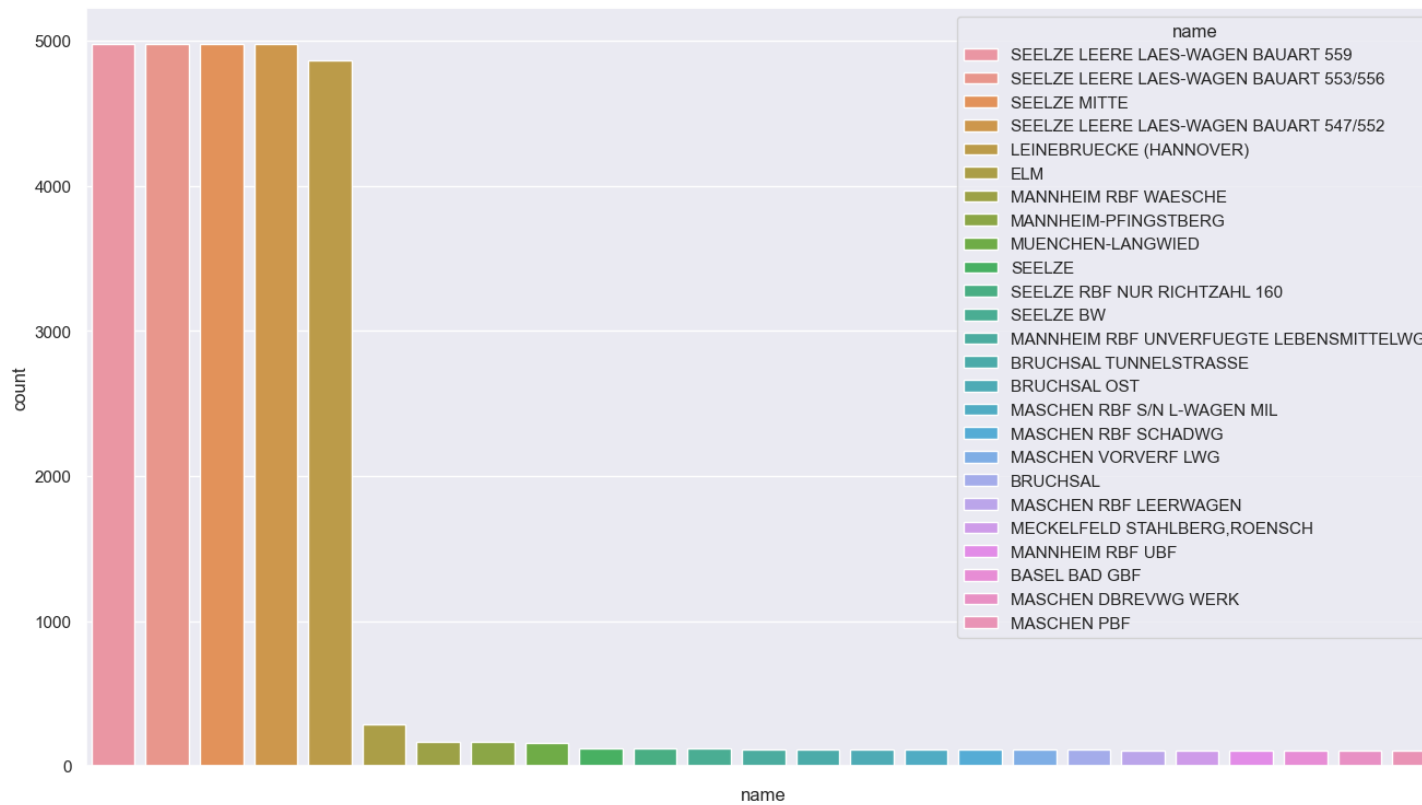
# What are the most problematic stations? (All)



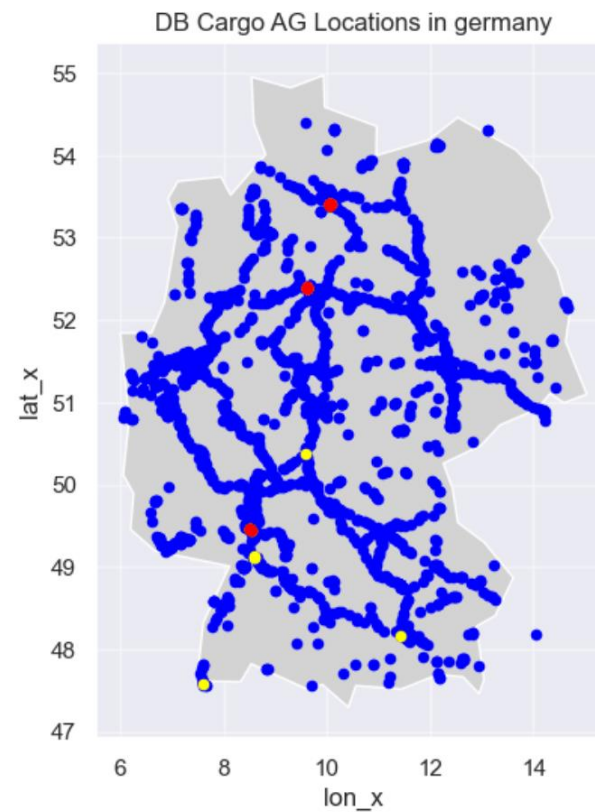
# What are the most problematic stations? (Standing)



# What are the most problematic stations? (Moving)



# Where are the most problematic locations in germany





# What problems occurred during the project?

- ▶ Data-sets are too big. -> cross joining the data used too much space
  - ▶ Solution: Splitting the data into tables based on geo location
- ▶ The locations in the DB-Data sets have similar positions with different names