

Fine Data Report

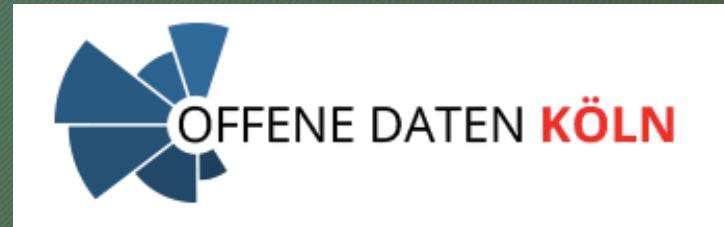
Hanna Jobst - 23225014

AMSE / SAKI SS 2023

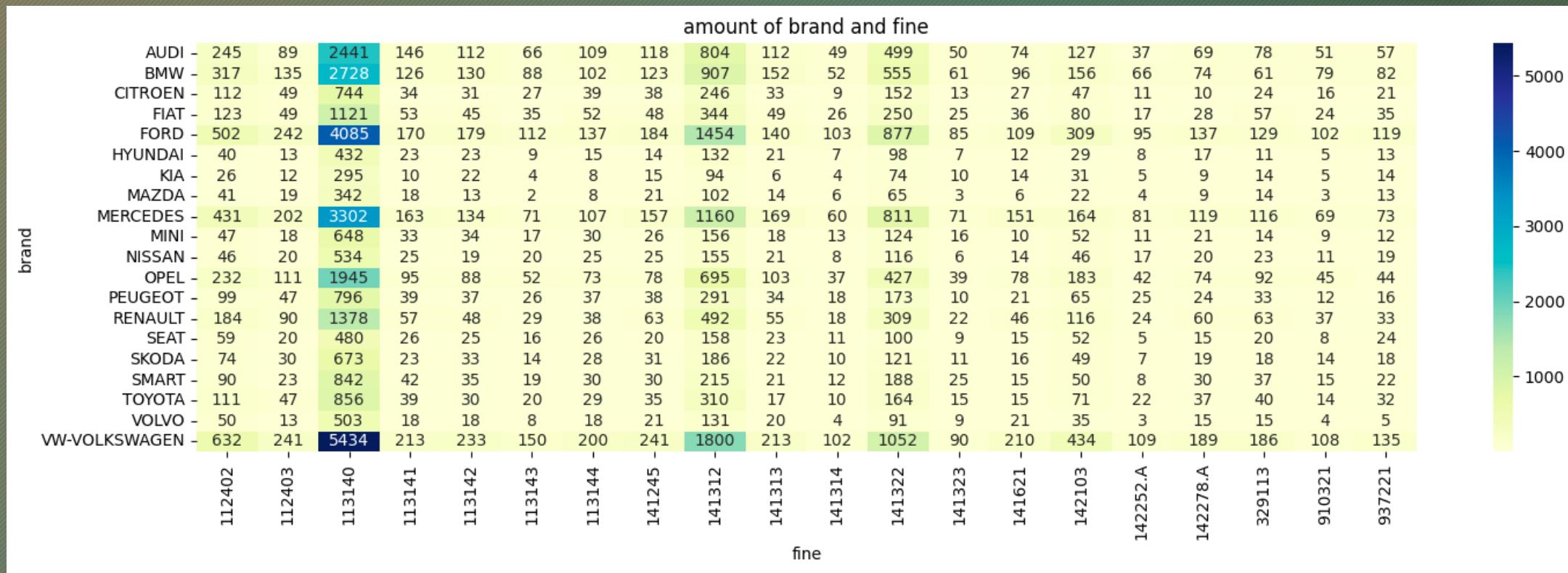
Analysis

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- Open source data
- Fine Data in the city of Cologne in the year 2016 & 2018
- Analyze top 20 brands and top 20 fines
- Automated data pipeline
- Contiguous testing
- Data Cleansing, Transformation

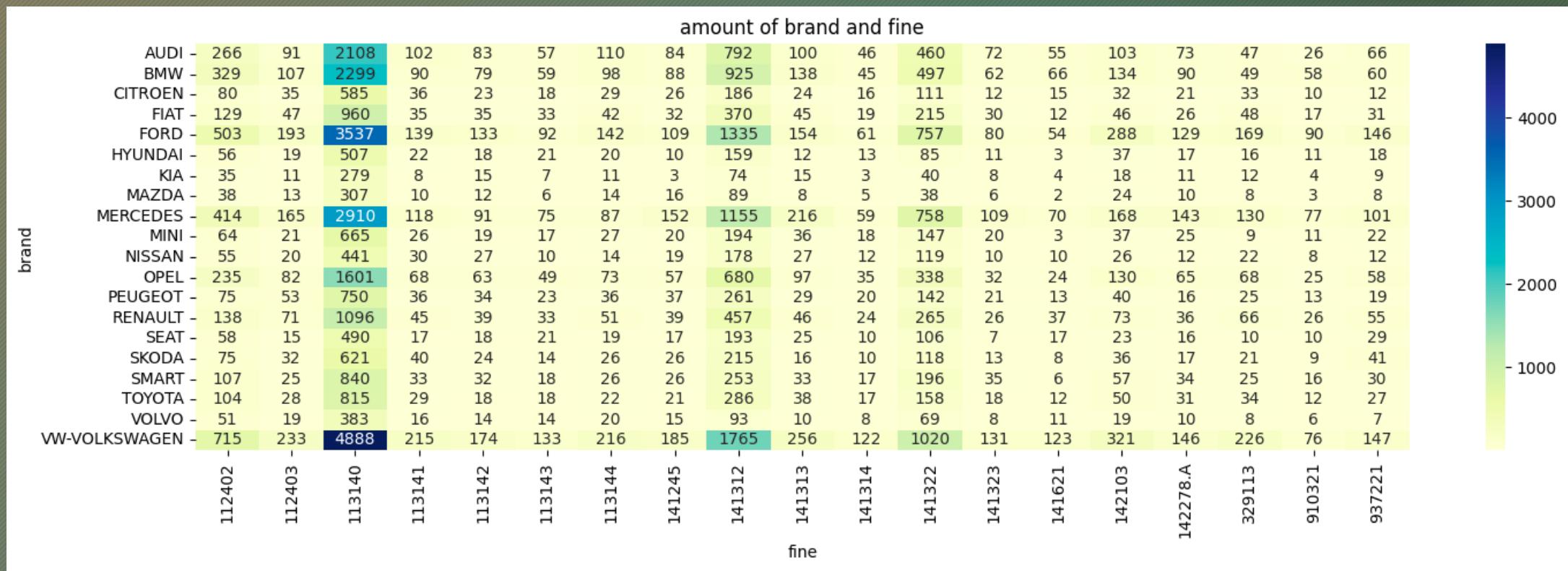


Analysis - 2016



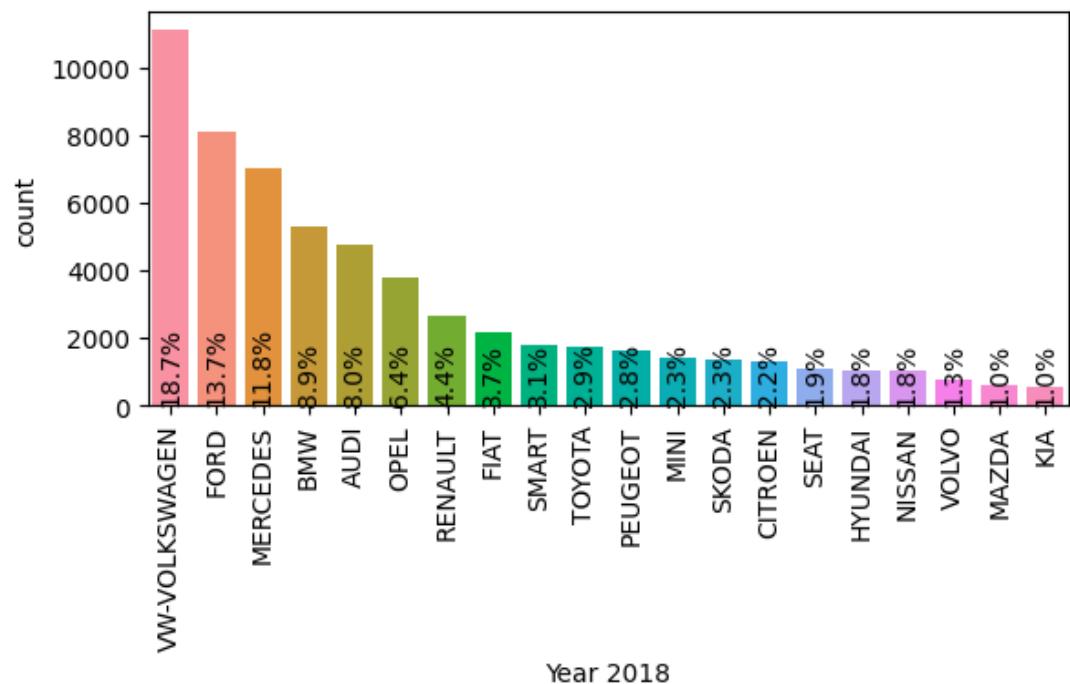
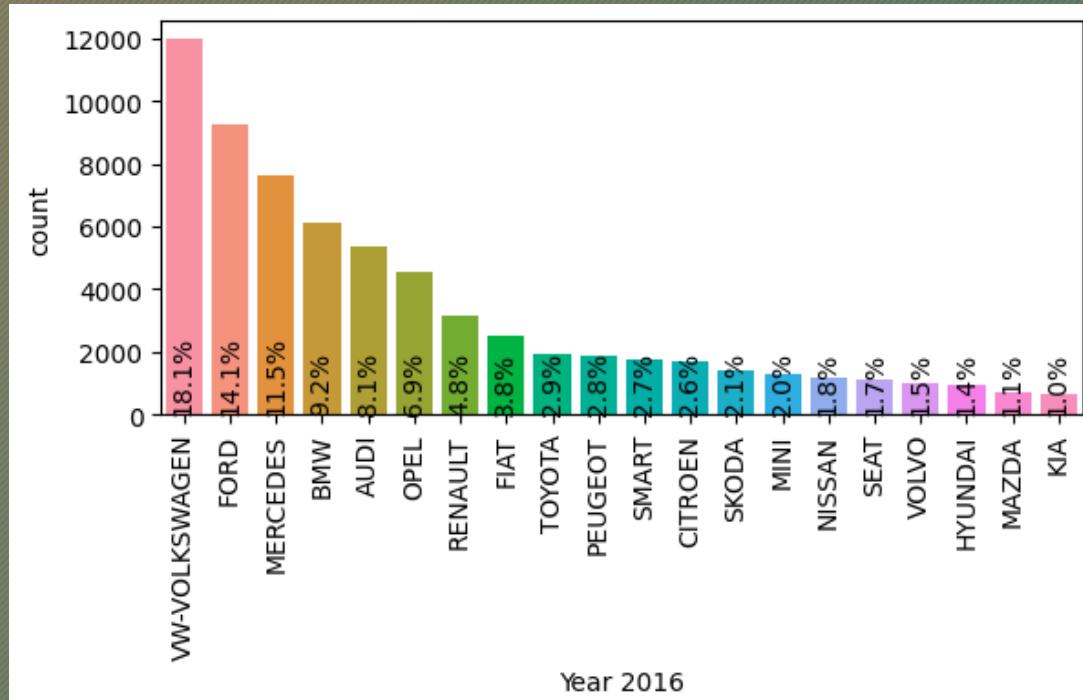
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Analysis - 2018

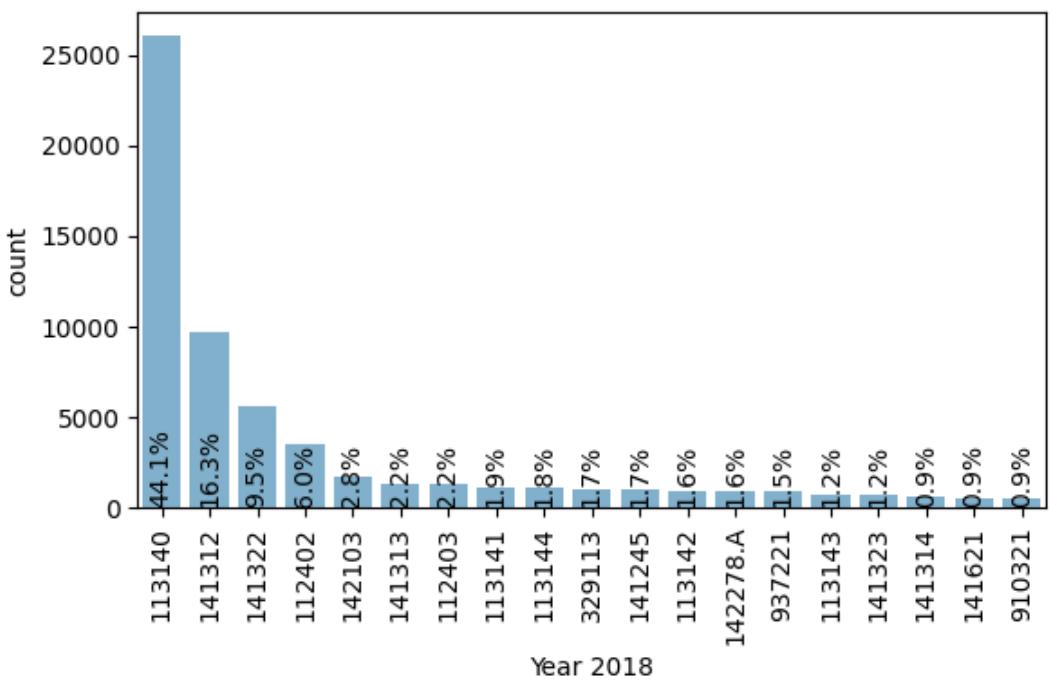
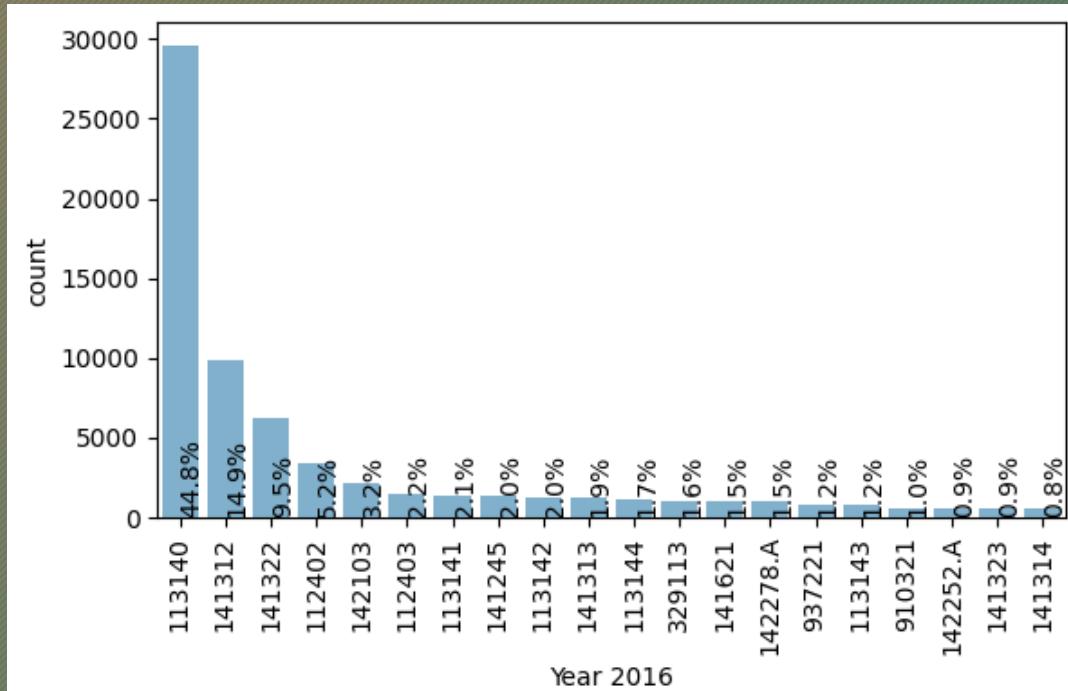


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Analysis - Brands



Analysis - Fines



Findings

- Top 20 of brands and fines both reduced from 2016 to 2018
- City of Cologne could be to increase controls again and fine misdemeanor accordingly

Limitations

- only nominal data
- only data from one month of the year
→ considered looking at other months / the whole year
- completeness and quality of the data might effect the validity

Thank you for your attention!

I am happy to answer your questions and receive feedback now!