

Preferences of Estonians among passenger cars

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OVERVIEW

In this project, we set out to look deeper into the landscape of Estonia's passenger vehicles, in order to shed some light on what Estonia's roads look like in the different parts of the country. Also, it turns out there are a lot of vehicles registered, that don't have their CO2 emissions listed, finding that out, we decided to predict the CO2 emission for those vehicles, in order to find out how much CO2 does the average car in Estonia actually emit.



CO2 PREDICTION MODEL

MEAN ERROR

ONE CAR

3500 kg/year

10 y/o TREE

22 kg/year

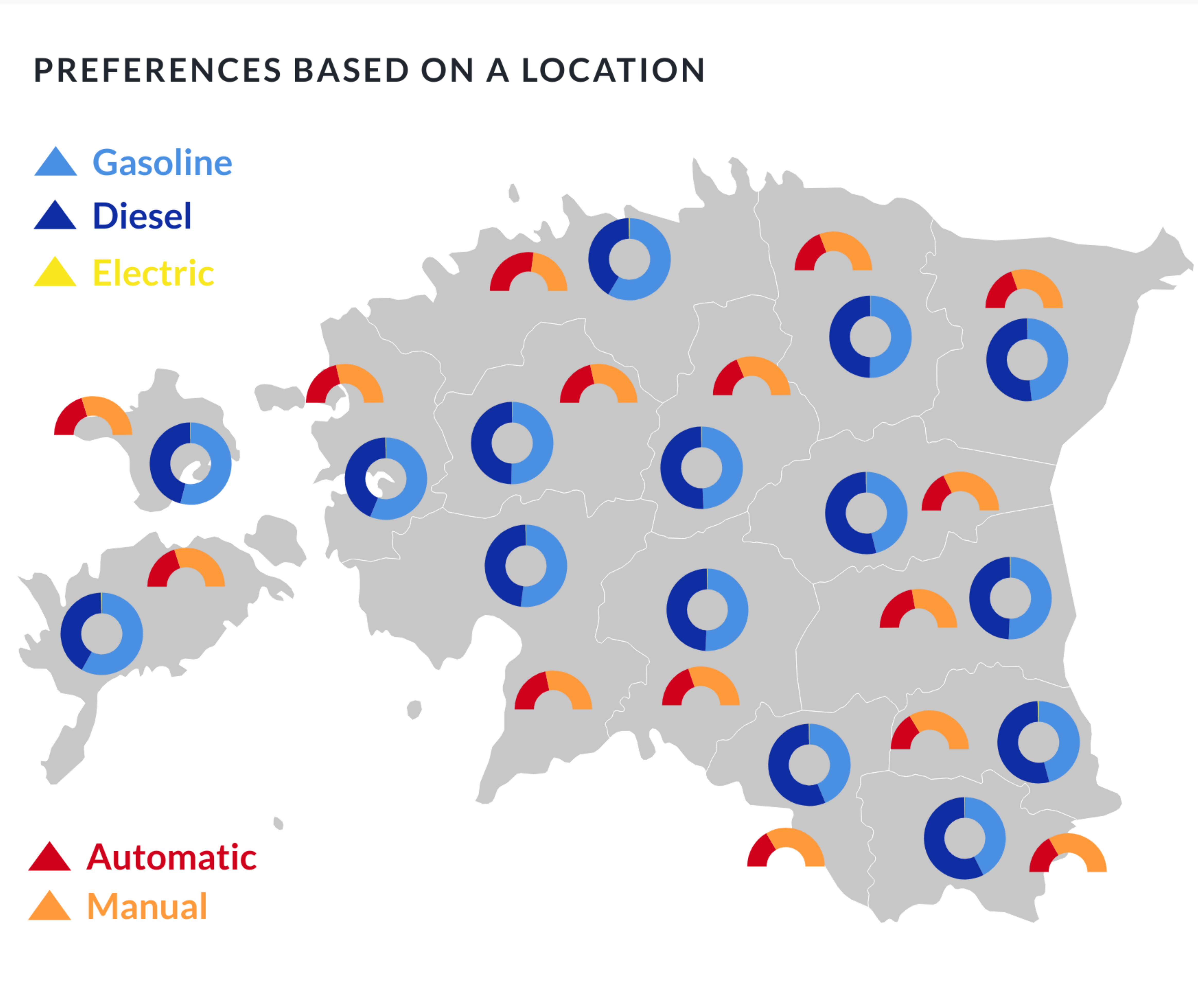
4.06 g/km

MEAN CO2 EMISSIONS (missing values)

PREDICTED MEAN CO2 EMISSIONS

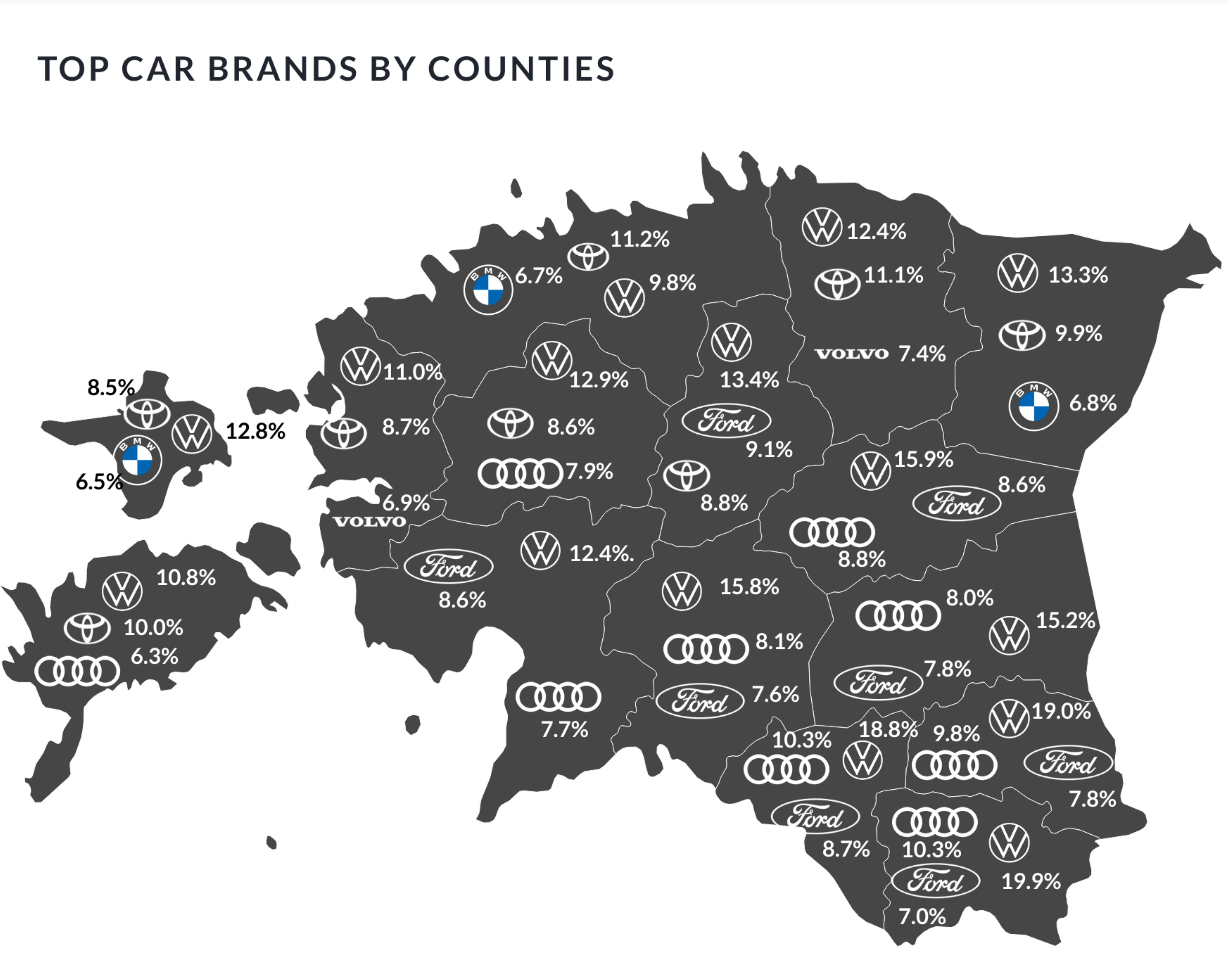
163 g/km

173 g/km ▲ 5.87%



OVERALL PREFERENCES

Top color	Black
Top body type	Station wagon
Top brand	Volkswagen
Top model	Toyota Avensis
Mean engine size	106 kW
Automatic transmission	46.4 %
Total number of cars	805 924



ADDITIONAL INFORMATION

MORE FACTS

9.24% of all cars are without active registration.

43.5% of all cars are registered in Harjumaa.

The oldest registered car is 1912 Ford T Speedster.

Southeastern parts of Estonia prefer German diesel cars.

DISCLAIMER

Most of the facts are based on a reduced dataset, because older cars had many missing values.

Trimmed dataset has cars after 1996, which is about 20% reduction.

ORIGINAL DATA

All the data were public and taken from the Road Administration website.

github.com/Rapur101/IDS2020Project