

The logo for Scout24, featuring the text "SCOUT 24" in white, bold, sans-serif font on an orange rectangular background.

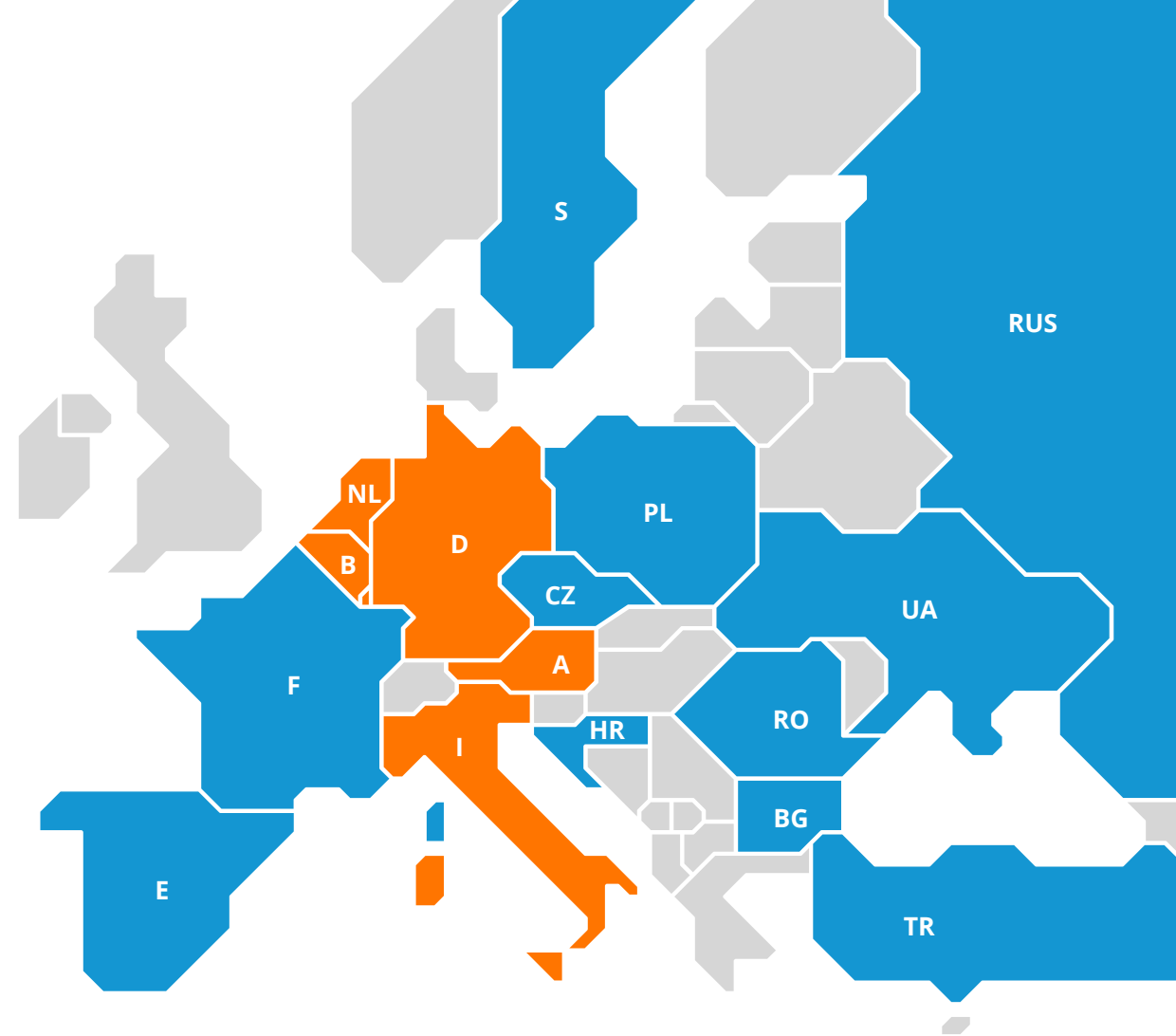
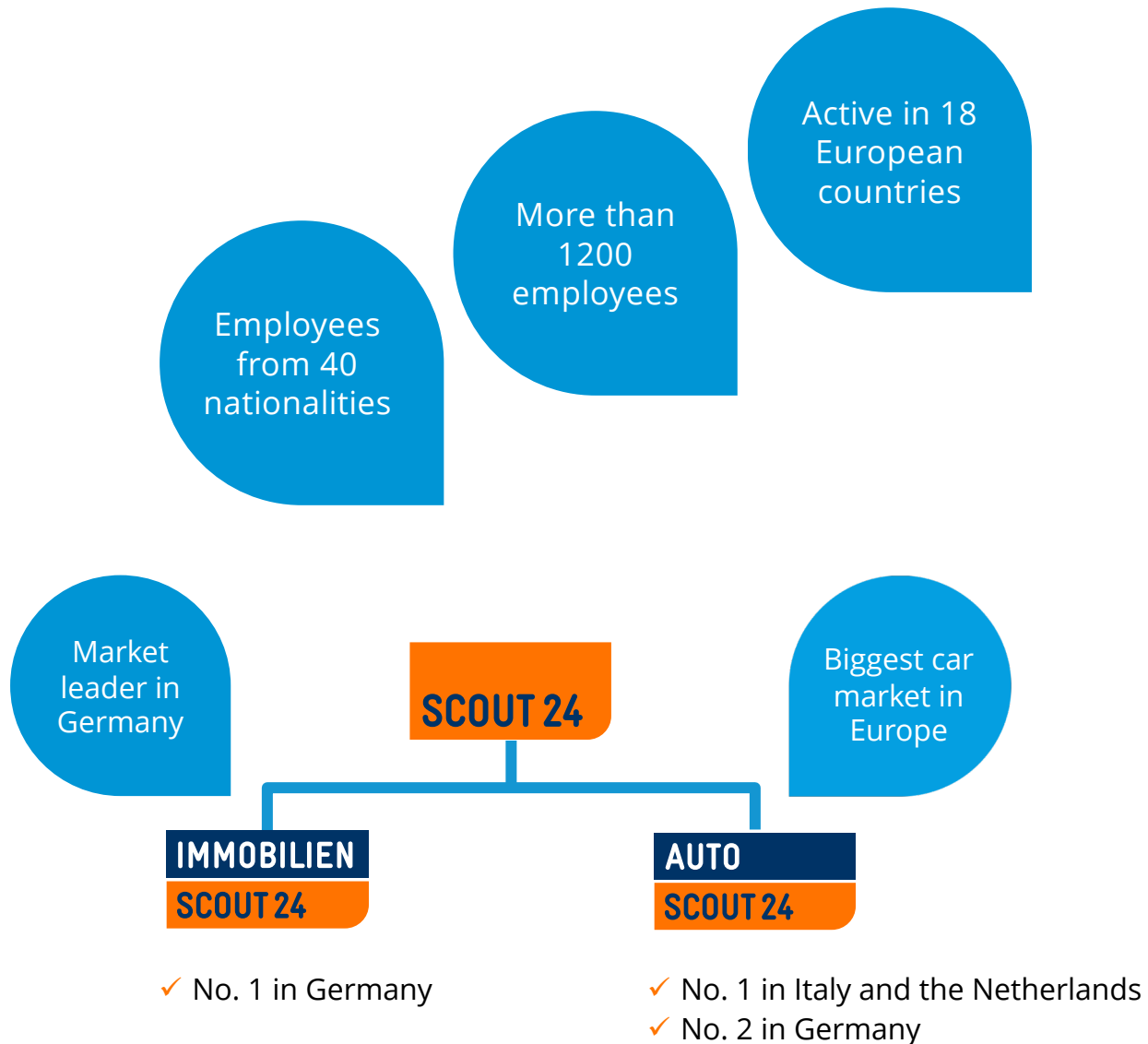
**SCOUT 24**

# Data Science at Scout24 – Reflections on Building Data Products

[www.scout24.com](http://www.scout24.com)

LMU Munich | February 19, 2019 | Markus Ludwig

# Scout24 Group

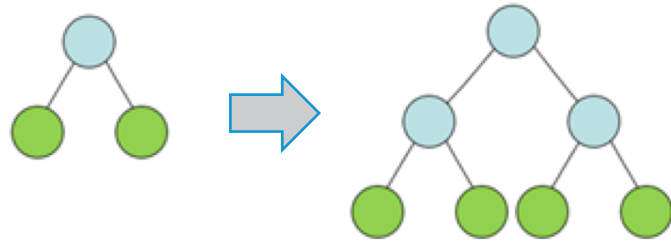


Core markets  
Localizations

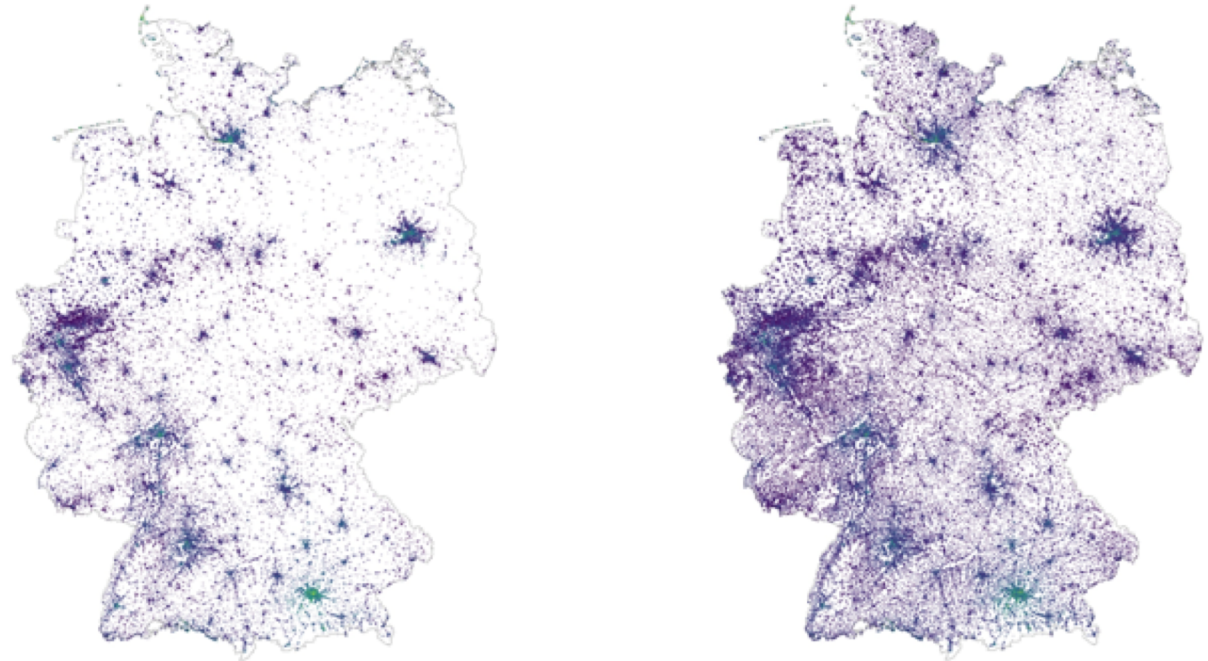
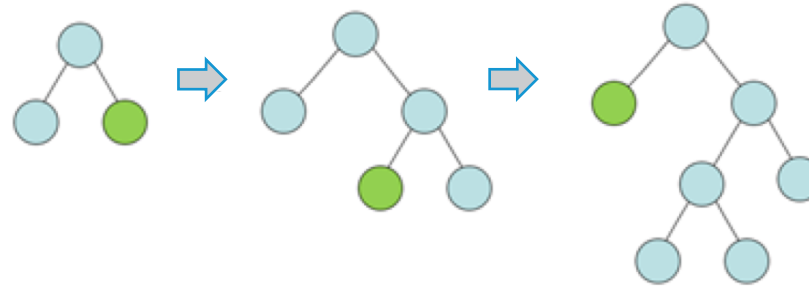


# Case 1: Price Prediction

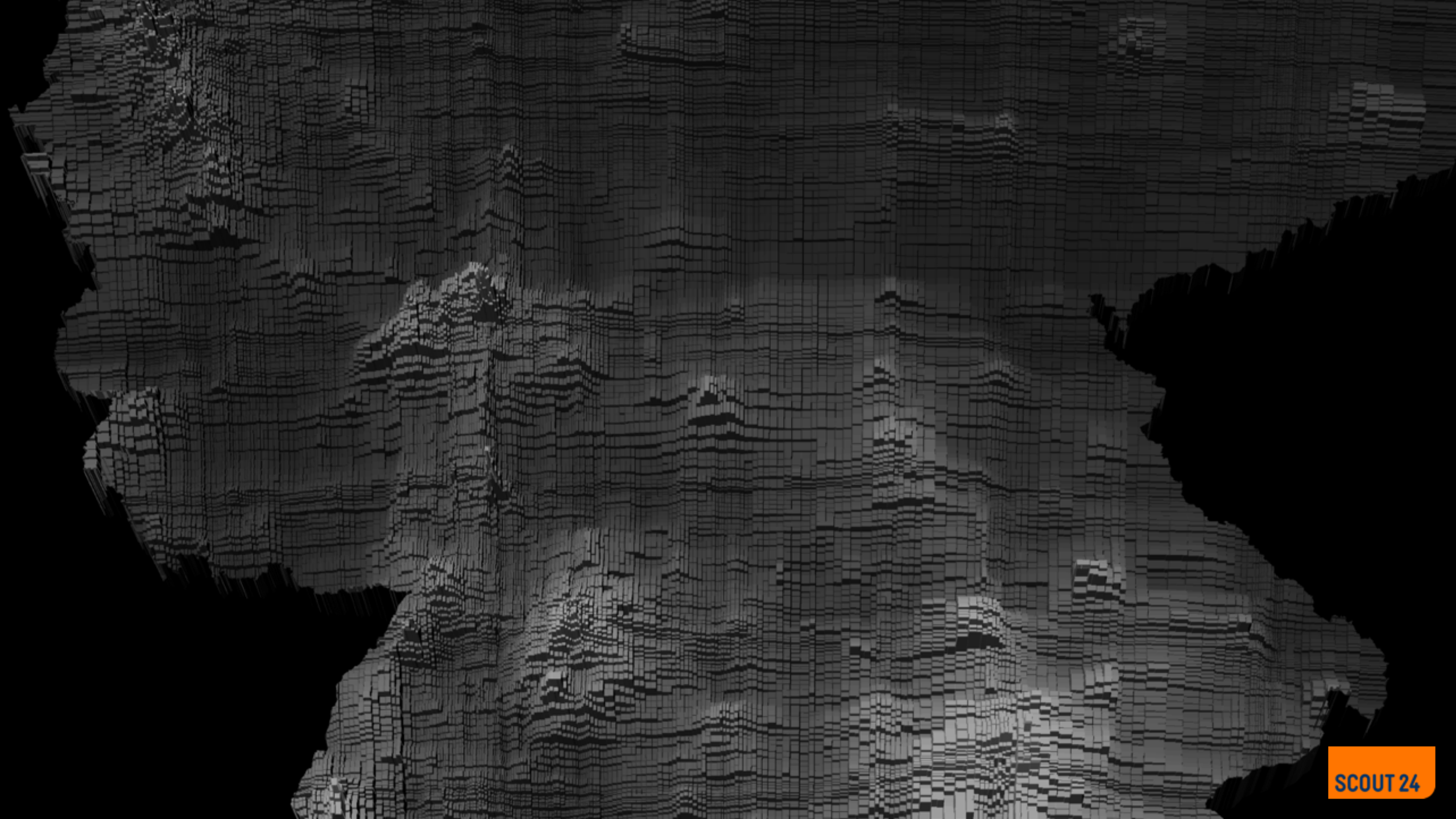
Level-wise growth



Leaf-wise growth



Source:  
1. <https://blogs.technet.microsoft.com/machinelearning/2017/07/25/lessons-learned-benchmarking-fast-machine-learning-algorithms/>  
2. <http://www.petesautorepairs.com/images/Partners.jpg>

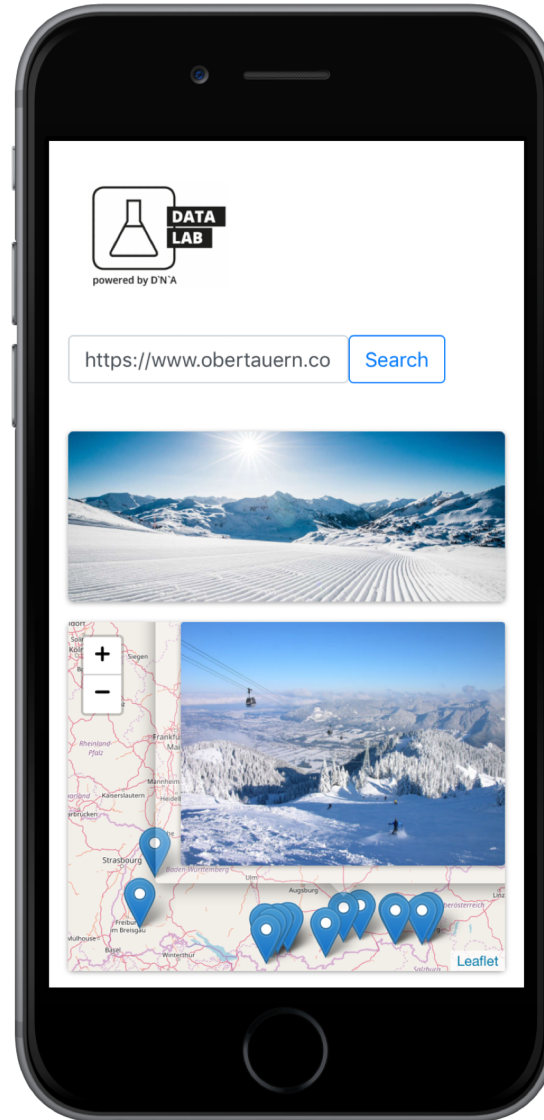
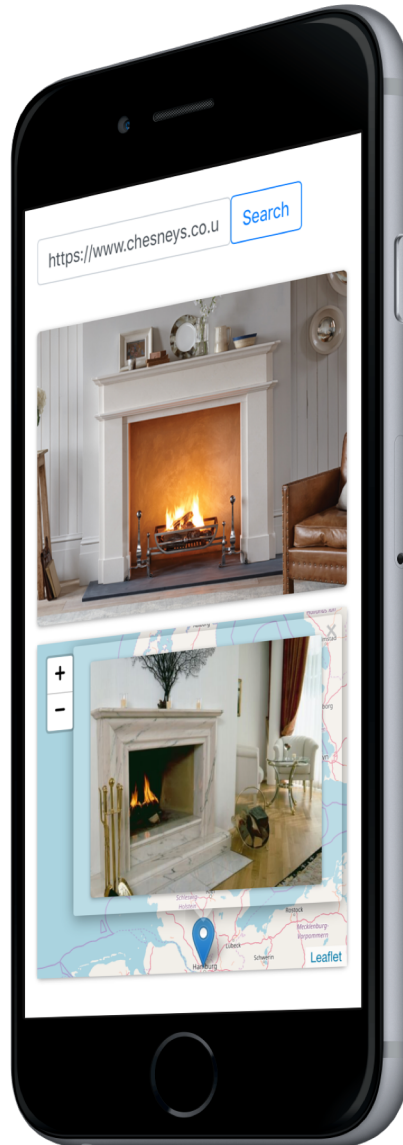




## Case 2: Visual Search



# Case 2: Visual Search





# Case 3: Recommendations

## Ähnliche Fahrzeuge



Dodge Monaco

€ 14.900,-

KEINE ANGABE

125.000 km	06/1967
213 kW (290 PS)	Oldtimer
2 Fahrzeughalter	Benzin



Chrysler New Yorker H-Zulassung, Not...

€ 20.500,-

KEINE ANGABE

2.000 km	06/1969
300 kW (408 PS)	Gebraucht
3 Fahrzeughalter	Benzin



## Ähnliche Fahrzeuge



Pontiac Ventura

€ 19.500,-

KEINE ANGABE

99.999 km	07/1967
194 kW (264 PS)	Gebraucht
-/- (Fahrzeughalter)	Benzin



Pontiac Le Mans

€ 22.800,-

KEINE ANGABE

95.000 km	07/1968
220 kW (299 PS)	Gebraucht
-/- (Fahrzeughalter)	Benzin



Pontiac Bonneville

€ 22.900,-

KEINE ANGABE

90.000 km	06/1965
244 kW (332 PS)	Gebraucht
-/- (Fahrzeughalter)	Benzin



Plymouth Fury Sport

€ 23.500,-

99.999 km	
213 kW (290 PS)	
-/- (Fahrzeughalter)	

14 l/100 km (komb)<sup>2</sup>

Privat, DE-44267 Dortmund

## Ähnliche Fahrzeuge



Jaguar E Serie 2

€ 99.000,-

KEINE ANGABE

82.880 km	07/1969
150 kW (204 PS)	Oldtimer
-/- (Fahrzeughalter)	Benzin



Jaguar E -Type

€ 159.000,-

KEINE ANGABE

44.700 km	11/1965
195 kW (265 PS)	Oldtimer
-/- (Fahrzeughalter)	Benzin



Jaguar E 3.8 OTS Alloy Dash

€ 185.000,-

8.134 km	01/1962
195 kW (265 PS)	Oldtimer
-/- (Fahrzeughalter)	Benzin



Jaguar E -Type

€ 155.000,-

25.000 km	
- kW (- PS)	
-/- (Fahrzeughalter)	



# Case 3: Recommendations

Items Viewed



Recommendations





# Case 3: Recommendations



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**SCOUT 24**

# Thank you!

**Dr. Markus Ludwig**

Senior Data Scientist

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Scout24 AG

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