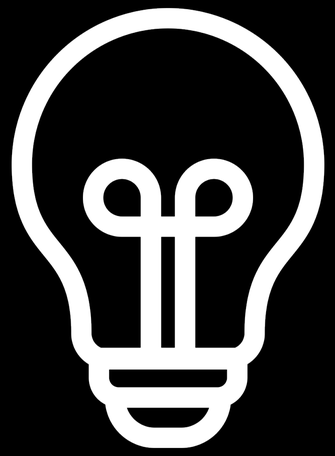
ZEIT ONLINE

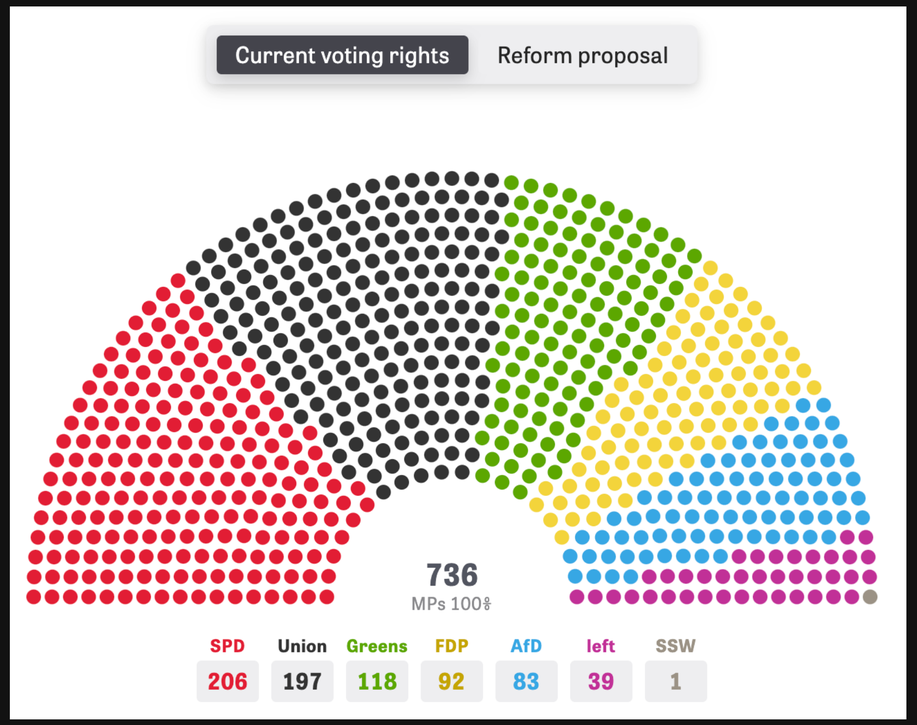
The Why and How of Data Journalism

CHRISTIAN ENDT

Help our readers to understand current issues



Who will be kicked out of parliament?



Who will be kicked out of parliament?

Federal Election Act
§ 5 Calculation of the distribution of seats

(1) To determine the overall distribution, the number of second votes to be taken into account in the electoral area is divided by the allocation divisor to be determined in accordance with paragraph 2 and the division result is rounded in accordance with paragraph 3. To determine the sub-distribution, the number of second votes allocated to each party's state lists is divided by the allocation divisor to be determined in accordance with paragraph 2 and the division result is rounded in accordance with paragraph 3.

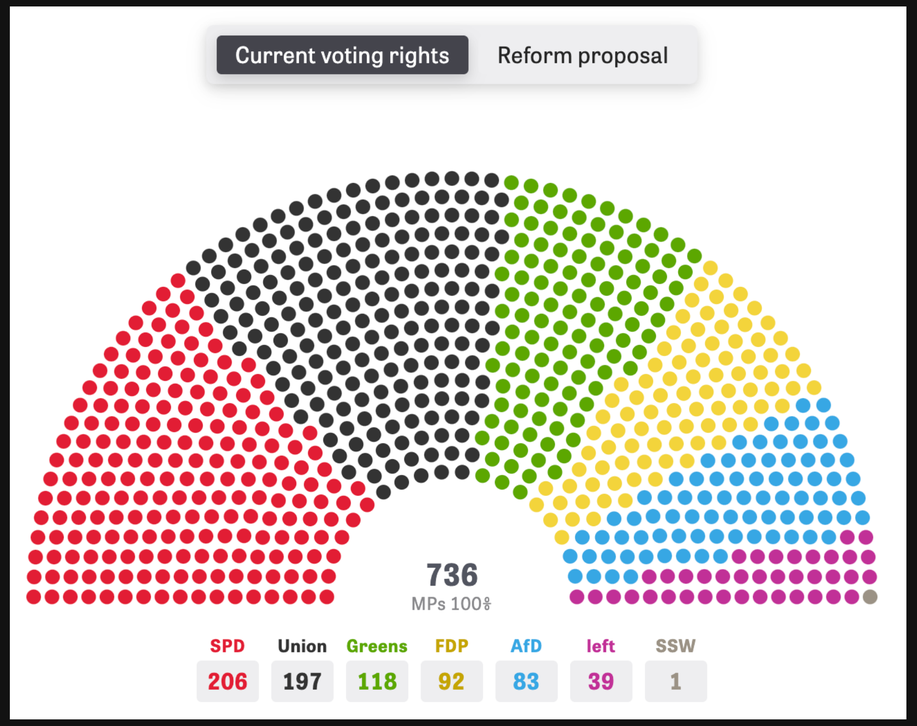
(2) The allocation divisor is determined so that all available seats are distributed. To determine the allocation divisor, the sum of the underlying number of votes is divided by the number of available seats. If more seats are allocated with this allocation divisor than are available, the allocation divisor must be increased so that the number of available seats results when the allocation is re-allocated; If the parties allocate too few seats, the allocation divisor must be reduced accordingly.

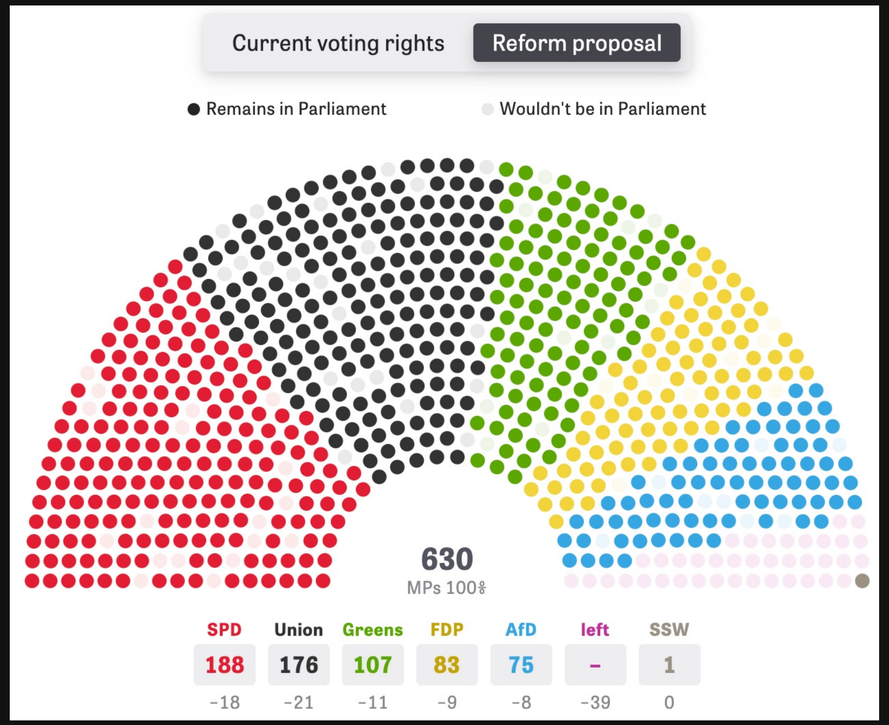
(3) The division results in the calculation according to paragraph 1 are rounded by rounding down fractions of numbers below 0.5 to the whole number below and rounding up those above 0.5 to the whole number above. Fractional numbers equal to 0.5 are rounded down or up to comply with the number of seats available; If there are several possible seat allocations, the decision will be made by lot drawn by the Federal Returning Officer.

Who will be kicked out of parliament?

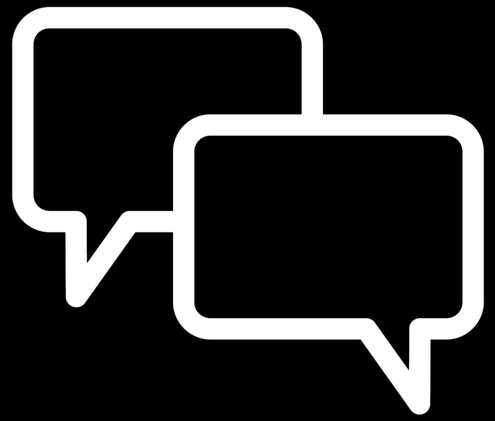
```r
source('R/config.R')

source('R/read_results.R')
source('R/read_candidates.R')

new_parl_size <- 630
grundmandatsklausel <- F
source('R/distribute_seats.R')

source('R/allocate_district_seats.R')
source('R/allocate_list_seats.R')

source('R/find_survivors.R')

source('R/analyze_wastelands.R')

elected21 %>%
  left_join(survivors %>% mutate(Survivor = T)) %>%
  mutate(
    Survivor = ifelse(is.na(Survivor),F,Survivor),
    Survivor = ifelse(Partei == 'SSW' & Nachname == 'Seidler',T,Survivor)) %>%
  select(CID, Partei, Nachname, Vornamen, Geburtsjahr, 'Typ' = Gebietsart, 'Wahlkreis' = Gebietsname, Survivor) %>%
  unique() %>%
  mutate(Typ = Typ %>% str_replace('Land','Liste')) %>%
  left_join(dpa_candidates %>% select(CID, id)) %>%
  unique() ->
  final
```

Who will be kicked out of parliament?





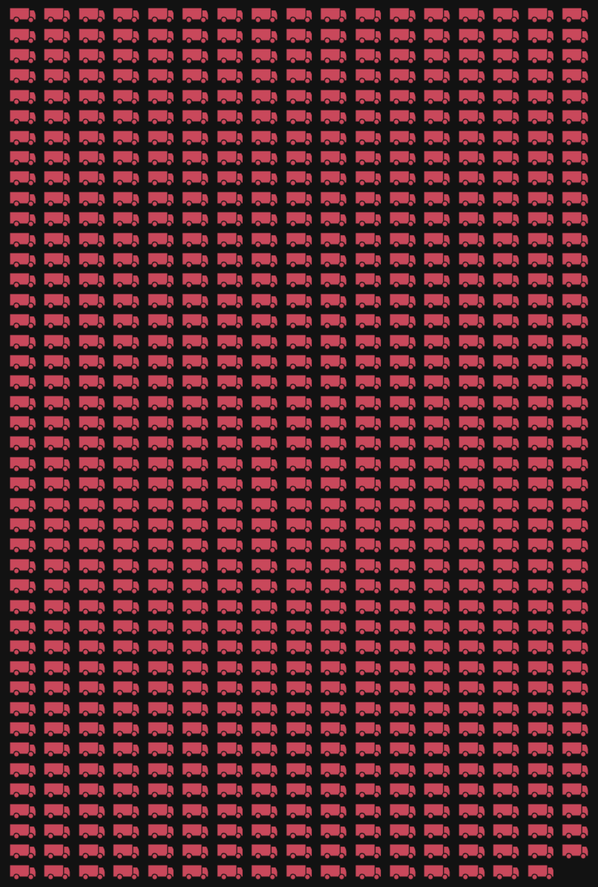
Add evidence and data to the public discourse



Supplies for the people in Gaza

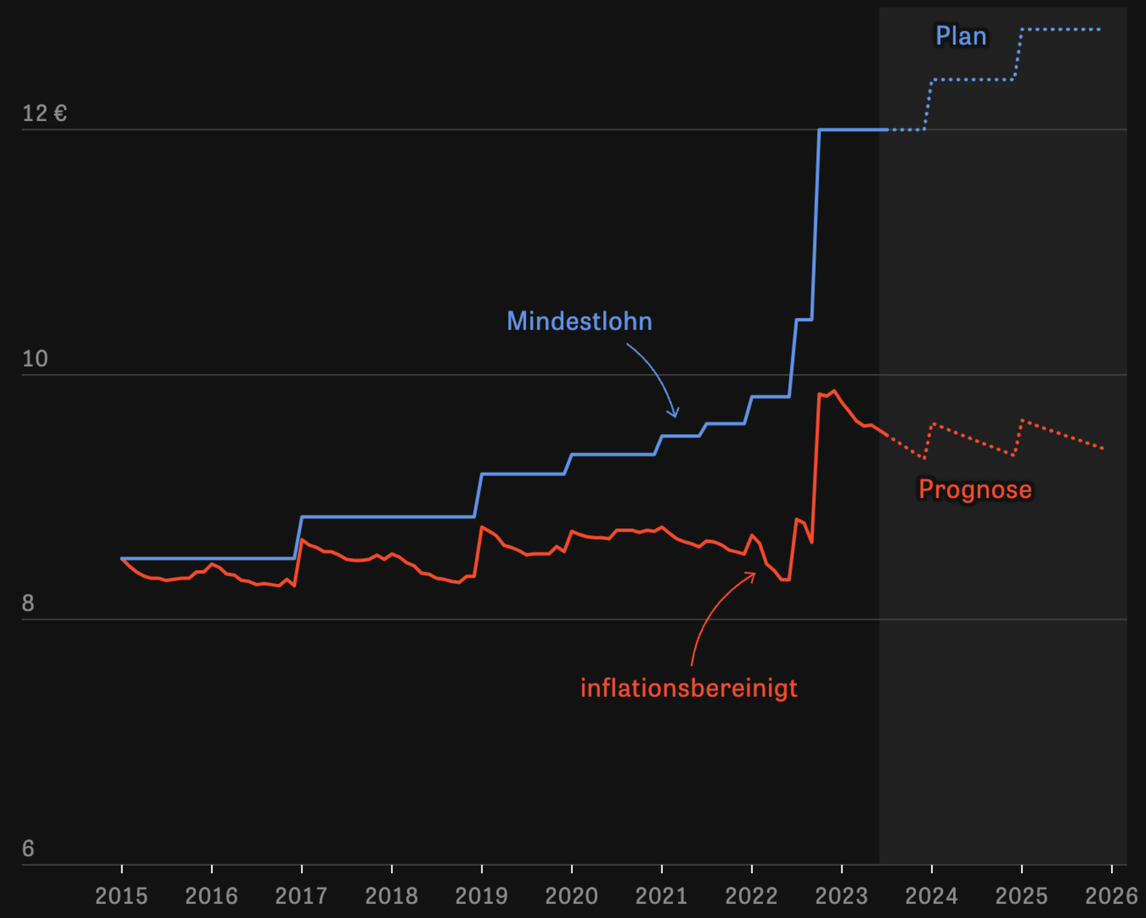
Supplies for the people in Gaza

730 That's at least how many trucks would be needed



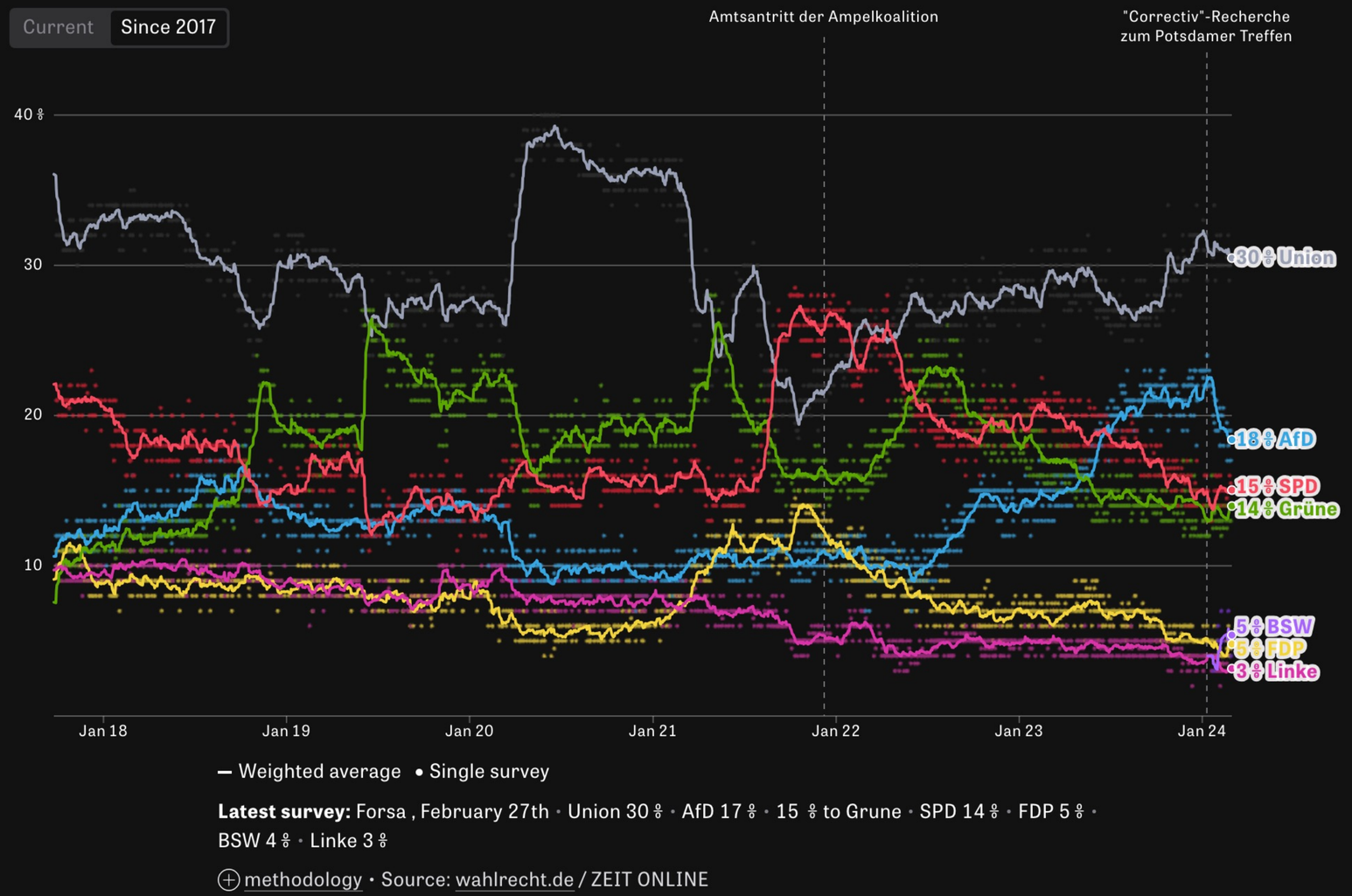
90 That's how many trucks come in

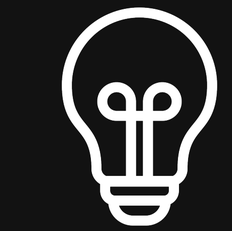
Minimum wage vs. inflation



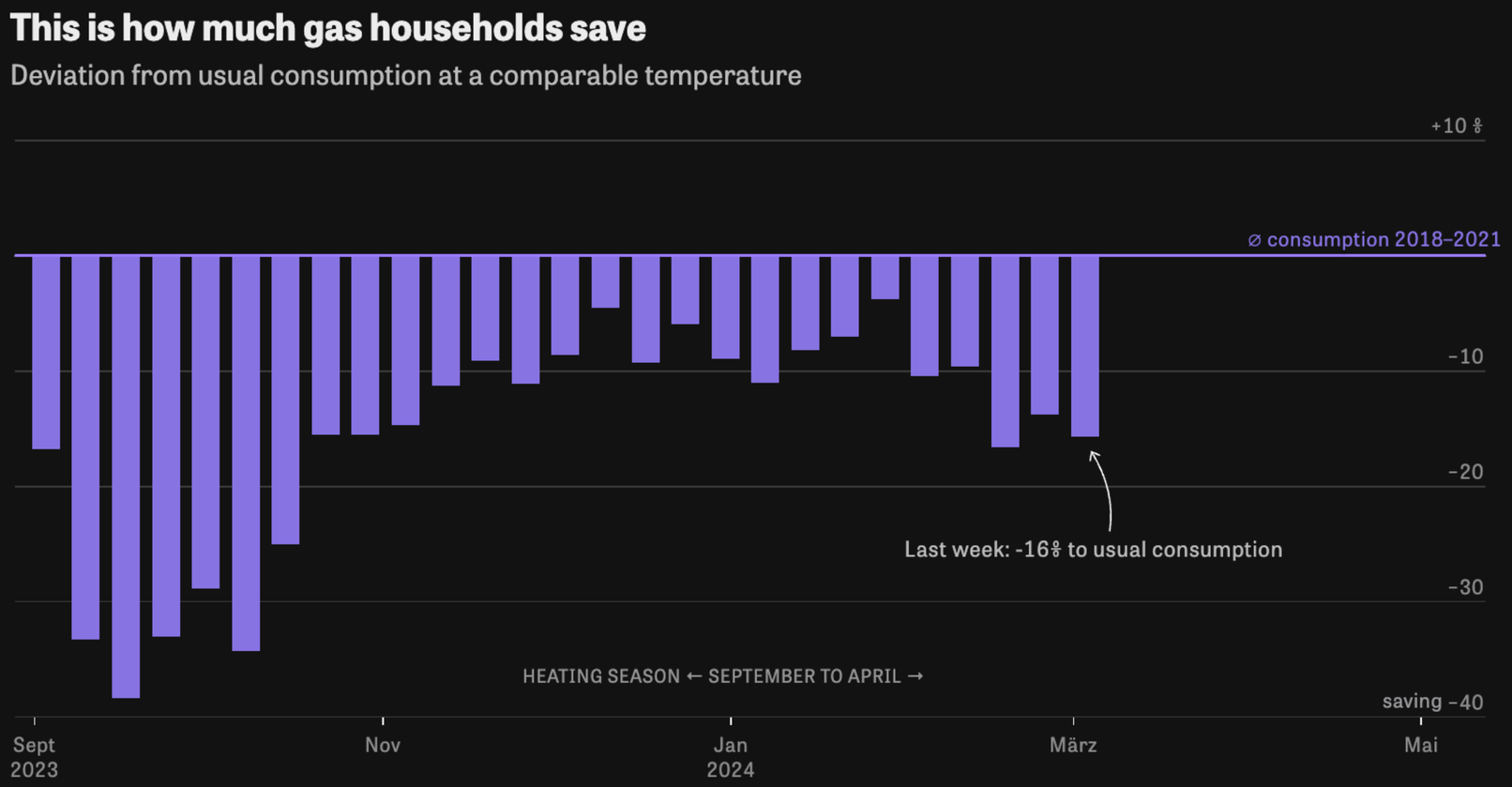
Quelle: Destatis, Bundesbank

Who is ahead in the polls?

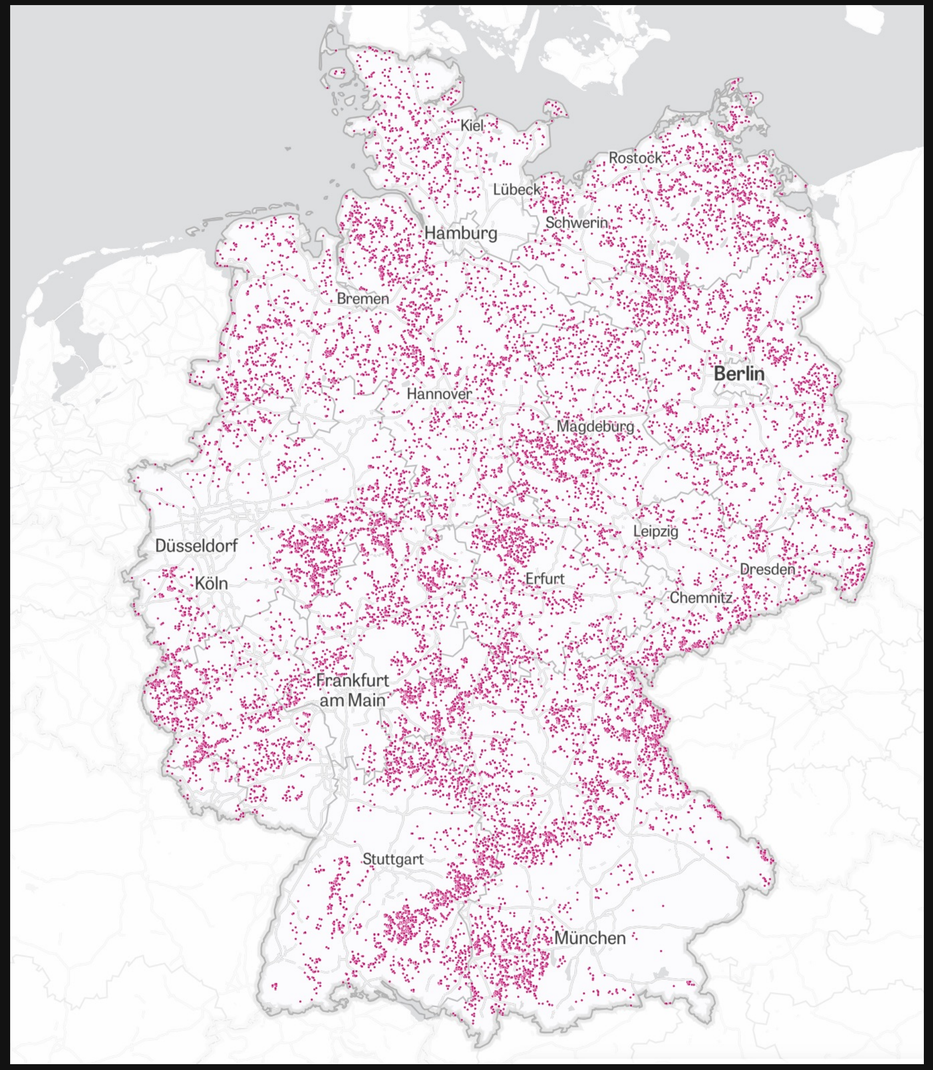




How much gas do we actually save?



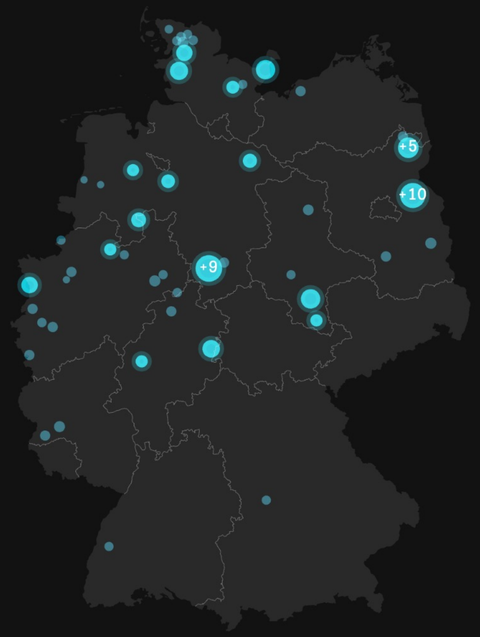
Where should all the wind turbines go?



Where do all the wind turbines go?

Since the beginning of the year, 95 wind turbines have been connected to the grid

All wind turbines that have started operation in Germany since January 2024



Latest three wind turbines: March 7, 2024: Prötzel (Brandenburg) • March 6, 2024: Prötzel (Brandenburg) • March 6, 2024: Pellingen (Rhineland-Palatinate)

Source : Federal Network Agency

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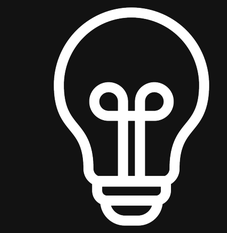

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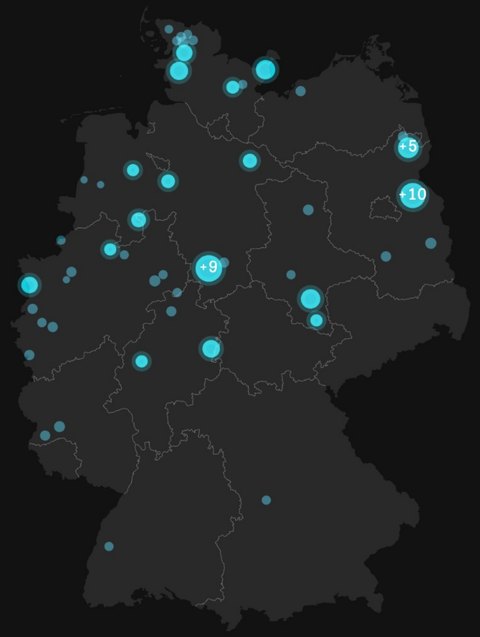

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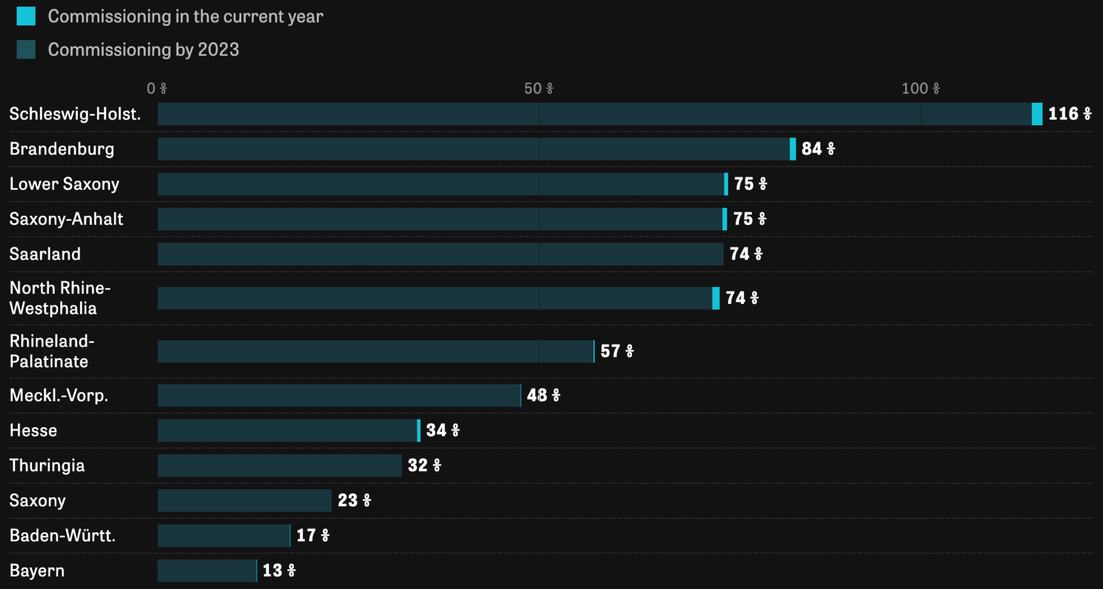
Source : Federal Network Agency

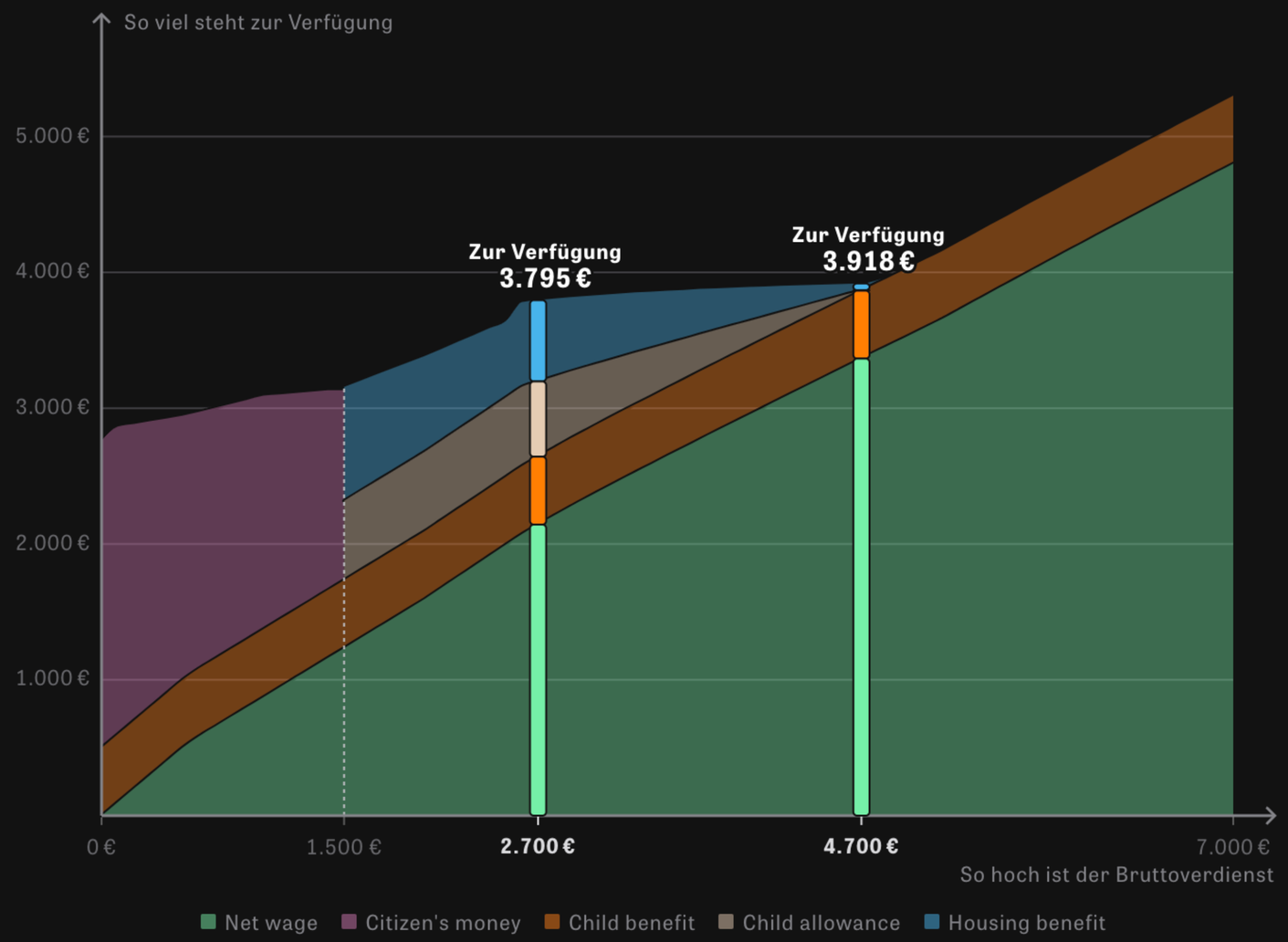
How far are the federal states?

Installed wind energy output in relation to the expansion target by 2030

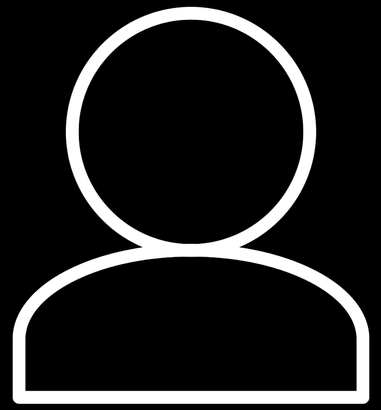


Source: Federal Network Agency • Last updated: March 7, 2024

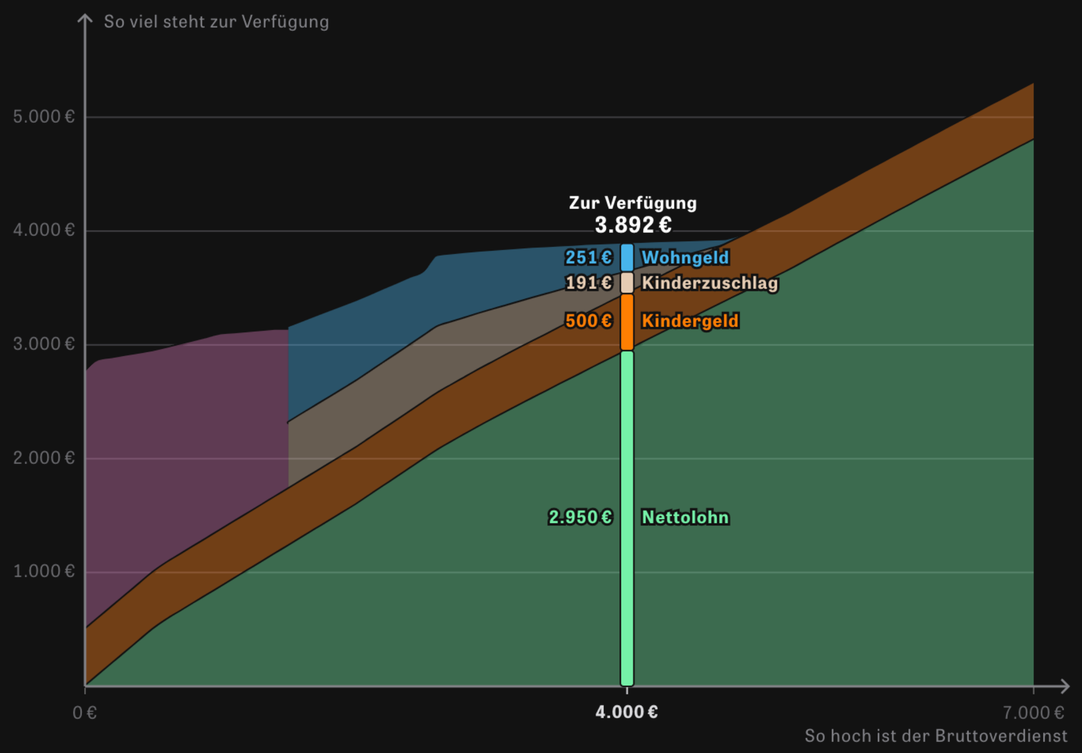
Better off without working?



Let our readers find themselves in the story



Better off without working?



Who lives in the household?

number of adults 1 2

Married

Number of Children no 1 2 3

Where is the household located?

Find a place to live...

How much does the household earn?

Gross earnings per month **4.000 €**

approximate distribution of salaries

One person earning alone

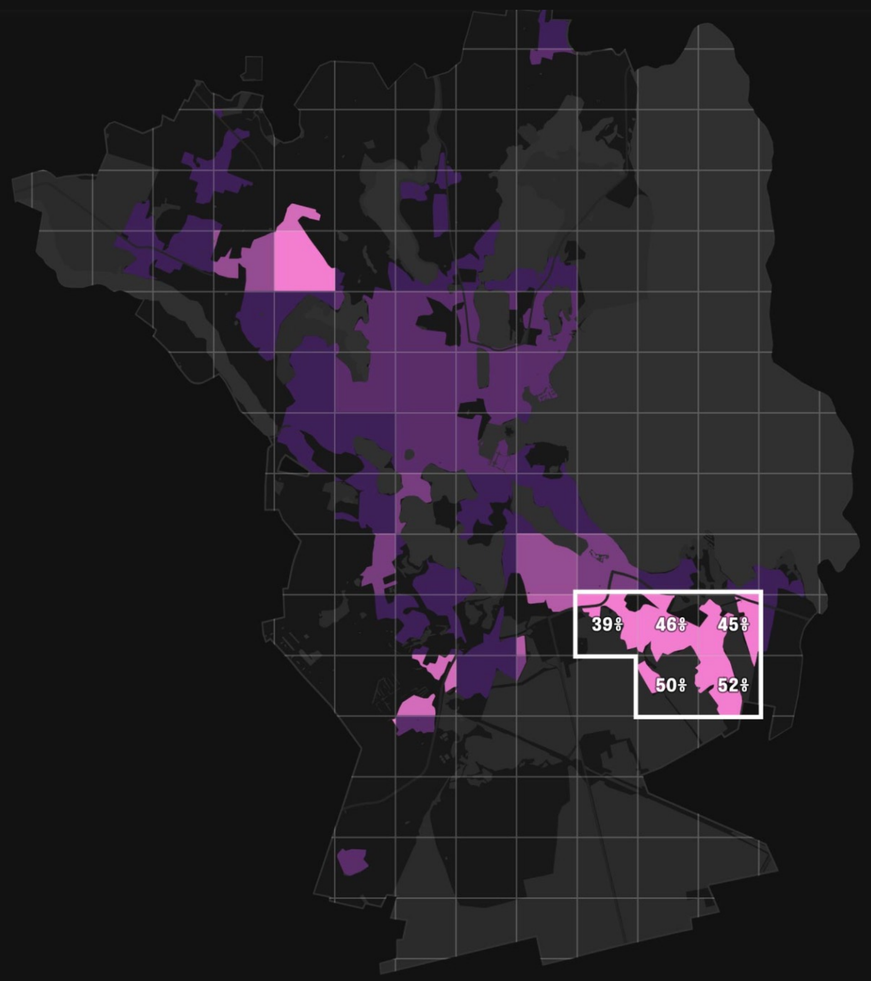
How old are the children?

First child **3 years**

Second child **6 years**

methodology,Quelle: ifo Institut

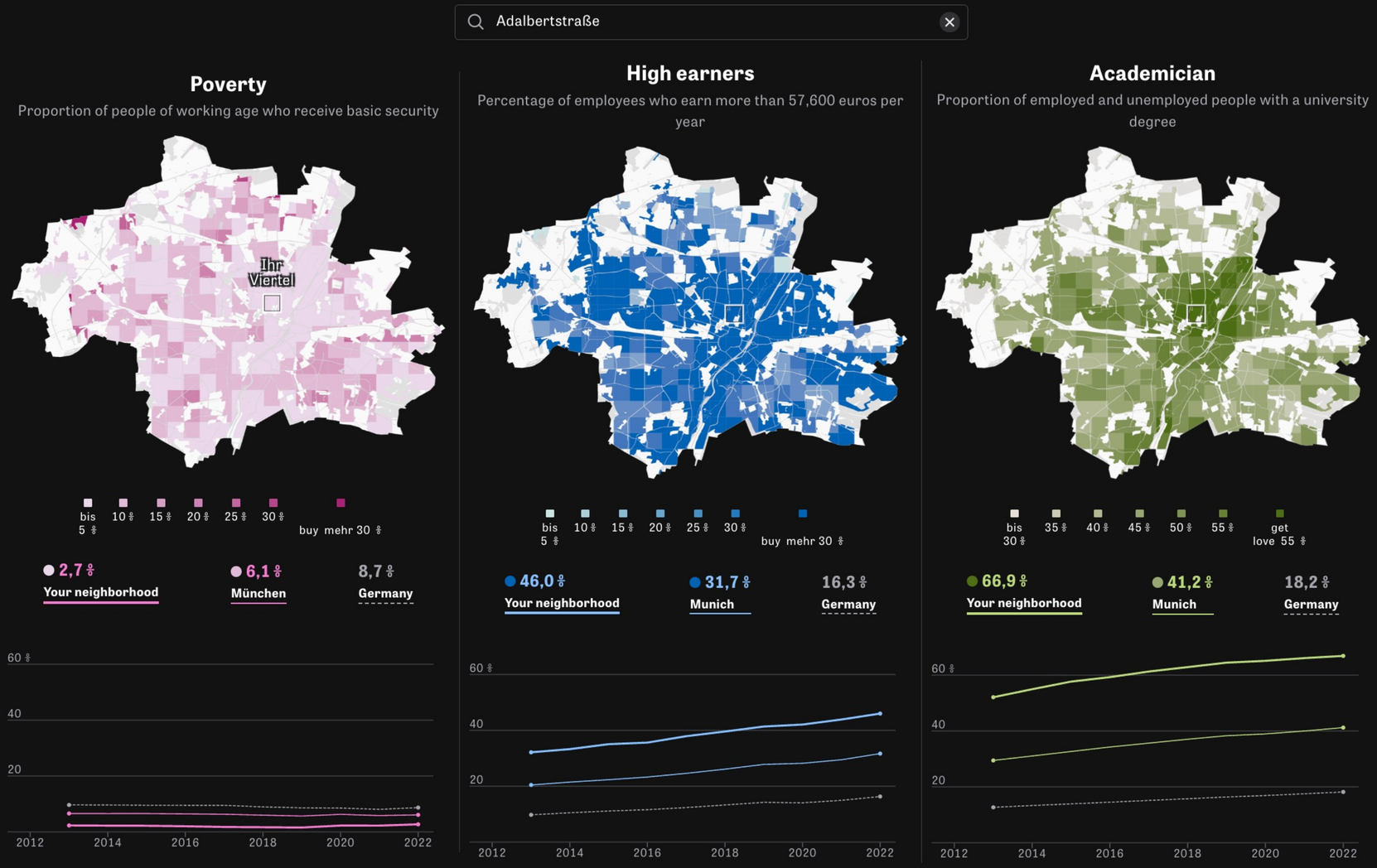
The Poor and the Rich in German cities



Proportion of 15 to 64 year olds in basic security

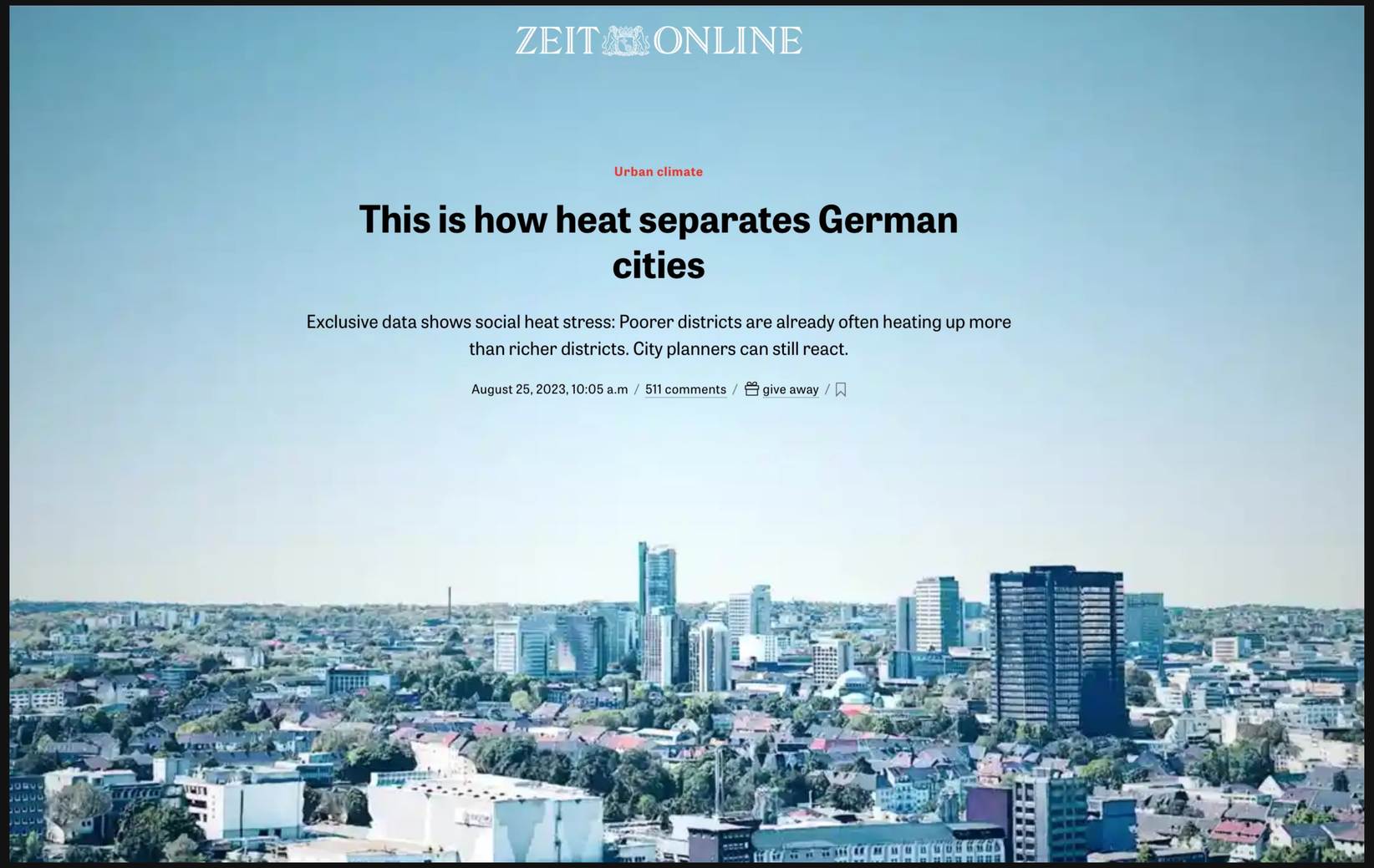
Source: M. Helbig/WZB

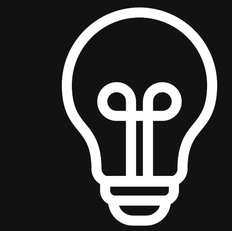
The Poor and the Rich in German cities

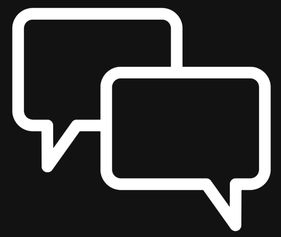


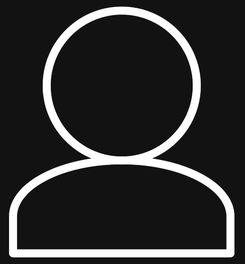
Source: M. Helbig / WZB , OpenStreetMap contributors

Heat stress in German cities









Heat stress in German cities

Where the social heat stress is high – and where it is low

Nuremberg

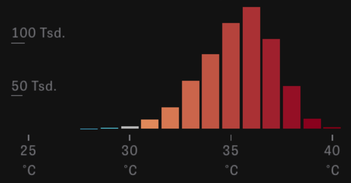
Social heat stress: **high**

There is a clear connection between purchasing power and temperature.

523 thousand inhabitants

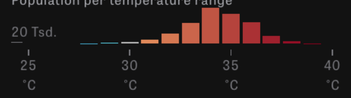
Average surface temperature **35,4 °C**

Population per temperature range



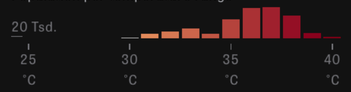
Neighborhoods with high purchasing power **34,3 °C**

Population per temperature range



Neighborhoods with low purchasing power **35,9 °C**

Population per temperature range



Dortmund

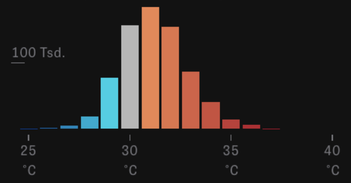
Social heat stress: **high**

There is a clear connection between purchasing power and temperature.

593 thousand inhabitants

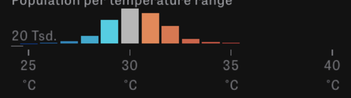
Average surface temperature **31,2 °C**

Population per temperature range



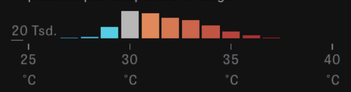
Neighborhoods with high purchasing power **30,3 °C**

Population per temperature range



Neighborhoods with low purchasing power **31,6 °C**

Population per temperature range



Stuttgart

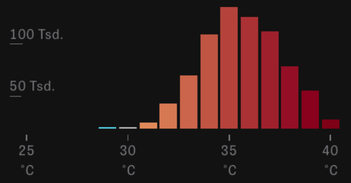
Social heat stress: **high**

There is a clear connection between purchasing power and temperature.

633 thousand inhabitants

Average surface temperature **35,6 °C**

Population per temperature range



Neighborhoods with high purchasing power **34,6 °C**

Population per temperature range

Neighborhoods with low purchasing power **35,9 °C**

Population per temperature range

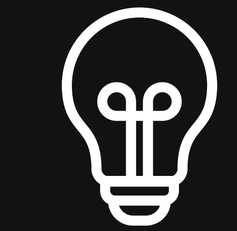
For other cities sideways push →

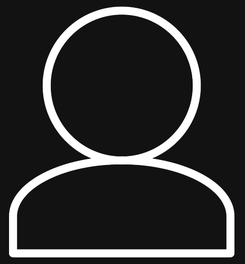
Change sorting

Social heat stress | Alphabetisch | Einwohner | Temperatur

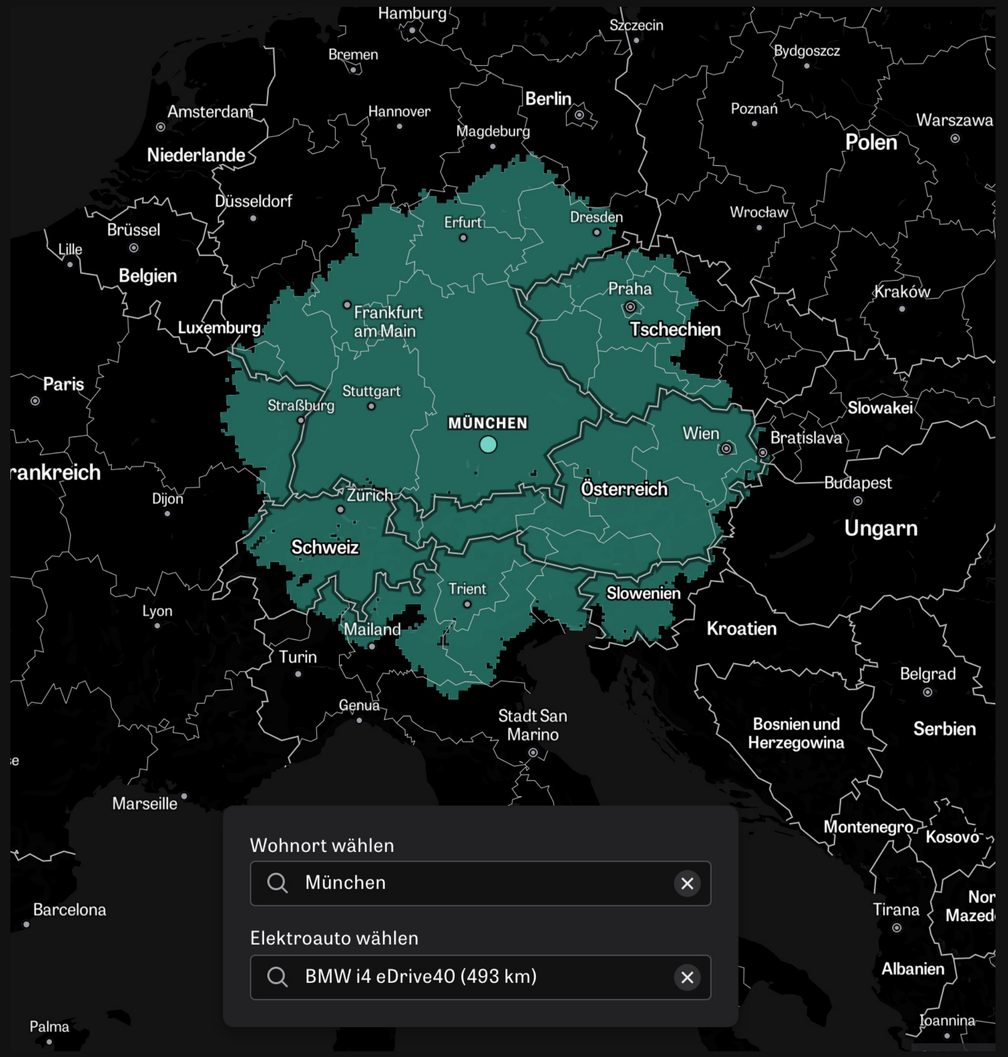
High and low purchasing power: the upper and lower parts of the purchasing power distribution, each with 25 percent of the population.

Source: USGS EROS Landsat Archive , DLR-DFD , infas360 , own calculations





How far can electric vehicles go?



THANK YOU

christian.endt@zeit.de