

# Atlas of Population Mobility in Czechia (Atlas 2023)

A short presentation of the Atlas 2023 dataset

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## 1 Introduction

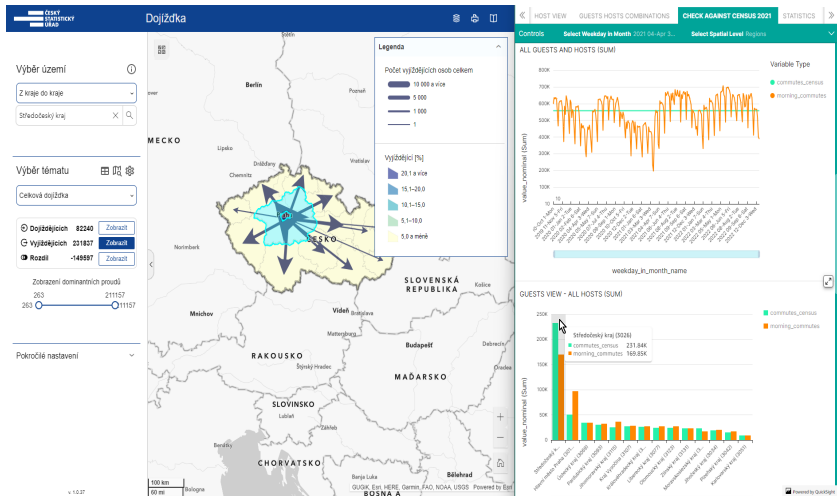
## 2 Data

- A collection of predicted data about population mobility in Czechia
- Consists of mainly two datasets
  - Vertex Attribute Dataset
  - Edge Commute Dataset
- Presents data over the period from October 2019 to December 2022

# Data collection and census compatibility

- An expected representation of the entire population's mobility on average weekdays each month
- Spatial resolution : Regions (14), District counties (77) and Municipalities with population more than 38.000 (26)
  - All with GPS location and a standardized code list
- Only compares the one-way morning commutes
  - Strongest destinations during the daily cycle and the return from these destinations
  - Doesn't seek to identify the type of activity/socioeconomic purpose
  - Extrapolates and predicts data based on an average weekday in a month

# Census vs VSB-TUO



# Raw datasets

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Structure of the main population mobility indicators. The data covers the territorial scope of the Czech Republic and spans from October 2019 to December 2022. Granularity at different spatial levels, along with additional service variables and official statistics. Targeted for researchers,...

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# Edge Commute Dataset

- Where do they go to on weekdays?
- Where do they come from on weekdays?
- How do commutes change over time? Do the sums correspond to the expected big picture?
- How do commutes compare with census 2021 data?

# Vertex Attribute Dataset

- How do multiple indicators trends and values in a single location look like?
- How does the single indicator compare in multiple locations?
- How do data from different providers reflect COVID-19 pandemic progression?
- What are differences of population change across regions?