Atlas of Population Mobility in Czechia (Atlas 2023)

A short presentation of the Atlas 2023 dataset
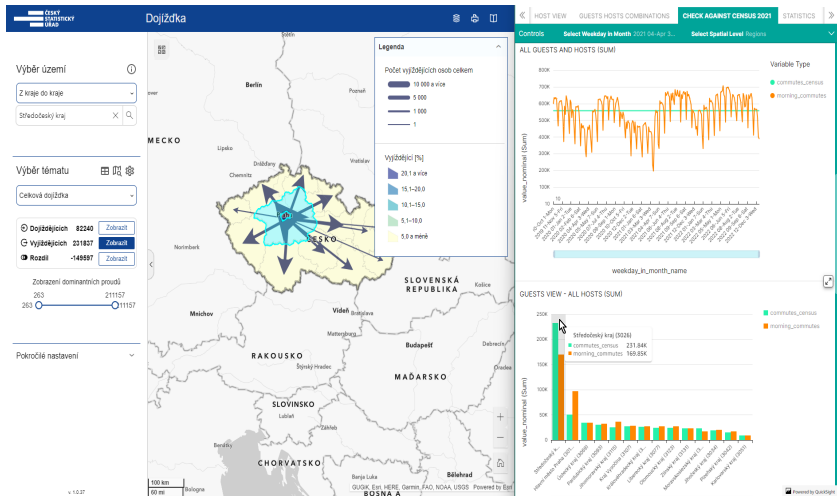
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2023-12-14 Thu

Outline

- 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

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?

- 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?