

Topic Registration

Visual Data Science

Rural Exodus and Impact on Real Estate Prices in Finland

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Topic

Finland is one among many European countries experiencing steady migration from rural regions to urban regions. The war in Ukraine and the following decision to close the Finnish-Russian border have accelerated this development and potentially introduced new migratory trends from the East to the West. The project investigates public datasets from the Finnish government with the aim to create intuitive visualizations quantifying population changes in recent years. To show the economic impact related to population changes, the work includes analyses on the relationship between real estate price and population dynamics in Finland.

Dataset

All data is sourced from the national statistics institution *Tilastokeskus*.

The main datasets are:

- 11ra - Key figures on population by region, 1990-2024
- 11jb - Price index of single-family house plots, 2015 - 2025

The first dataset (11ra) contains time-series data on population changes for each region. It also includes some demographic information like age, gender, and ethnic background.

The second dataset (11jb) contains real estate prices over time in the form of a normalized price index, € per square meter, and some quantiles.

To analyze relations, the two are joined by time periods (quarters or years) and regions and then processed for various types of modeling and plotting purposes.

References

Tilastokeskus. "Key figures on population by region." *Statistics Finland's free-of-charge statistical databases*, Tilastokeskus,

https://pxdata.stat.fi/PxWeb/pxweb/en/StatFin/StatFin__vaerak/statfin_vaerak_pxt_11ra.px/. Accessed 2025.

Tilastokeskus. "Price index of single-family house plots." *Statistics Finland's free-of-charge statistical databases*, Tilastokeskus,

https://pxdata.stat.fi/PxWeb/pxweb/en/StatFin/StatFin__kihi/statfin_kihi_pxt_11jb.px/. Accessed 2025.