

THE COUNTERFACTUALS 2.0

NOT ALL ROOFS ARE EQUAL

LAND USE, MIGRATION, AND ENVIRONMENTAL
INEQUALITY AMONG GERMANY

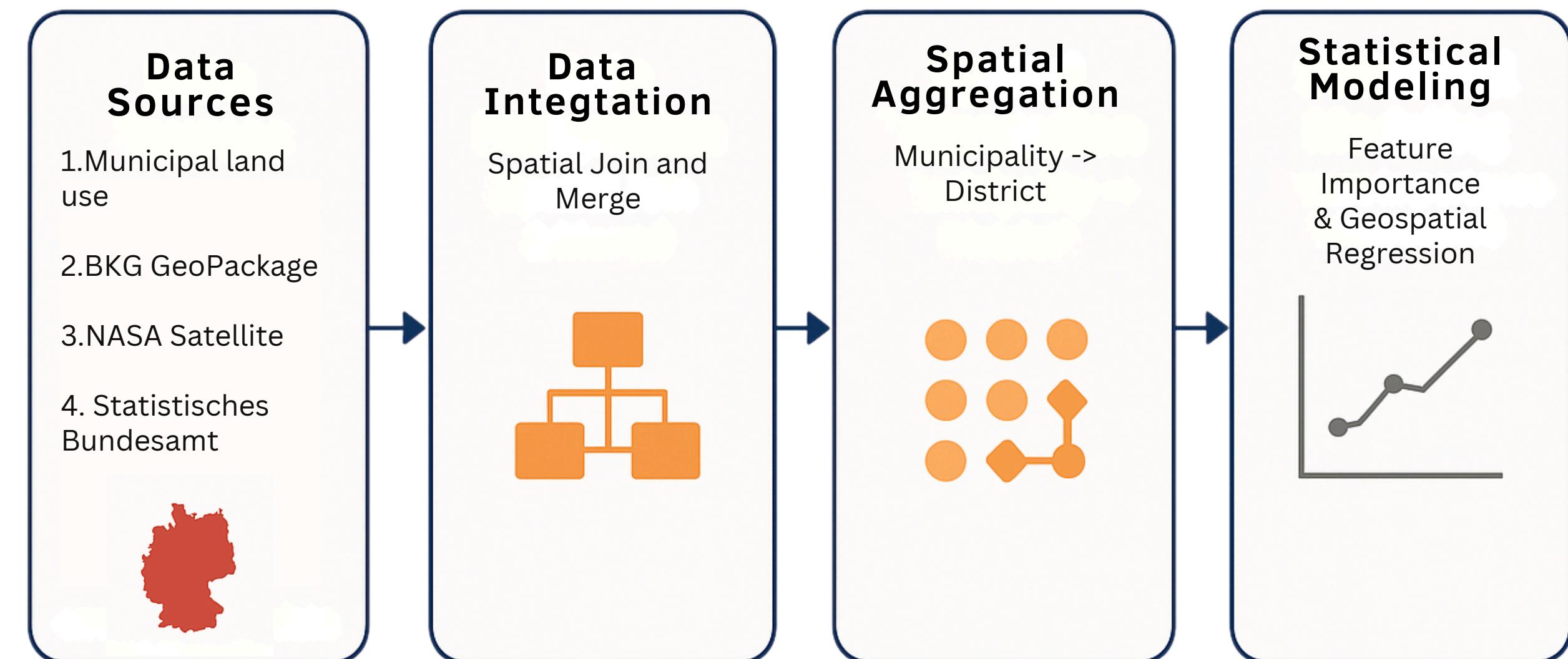


HERTIE SCHOOL | BERLIN

Research Question

How are **disadvantaged populations** — including low-income and migrant communities — **spatially distributed** in relation to **living space availability**, and **environmental exposure** across Germany?

Data Acquisition and Analysis Pipeline



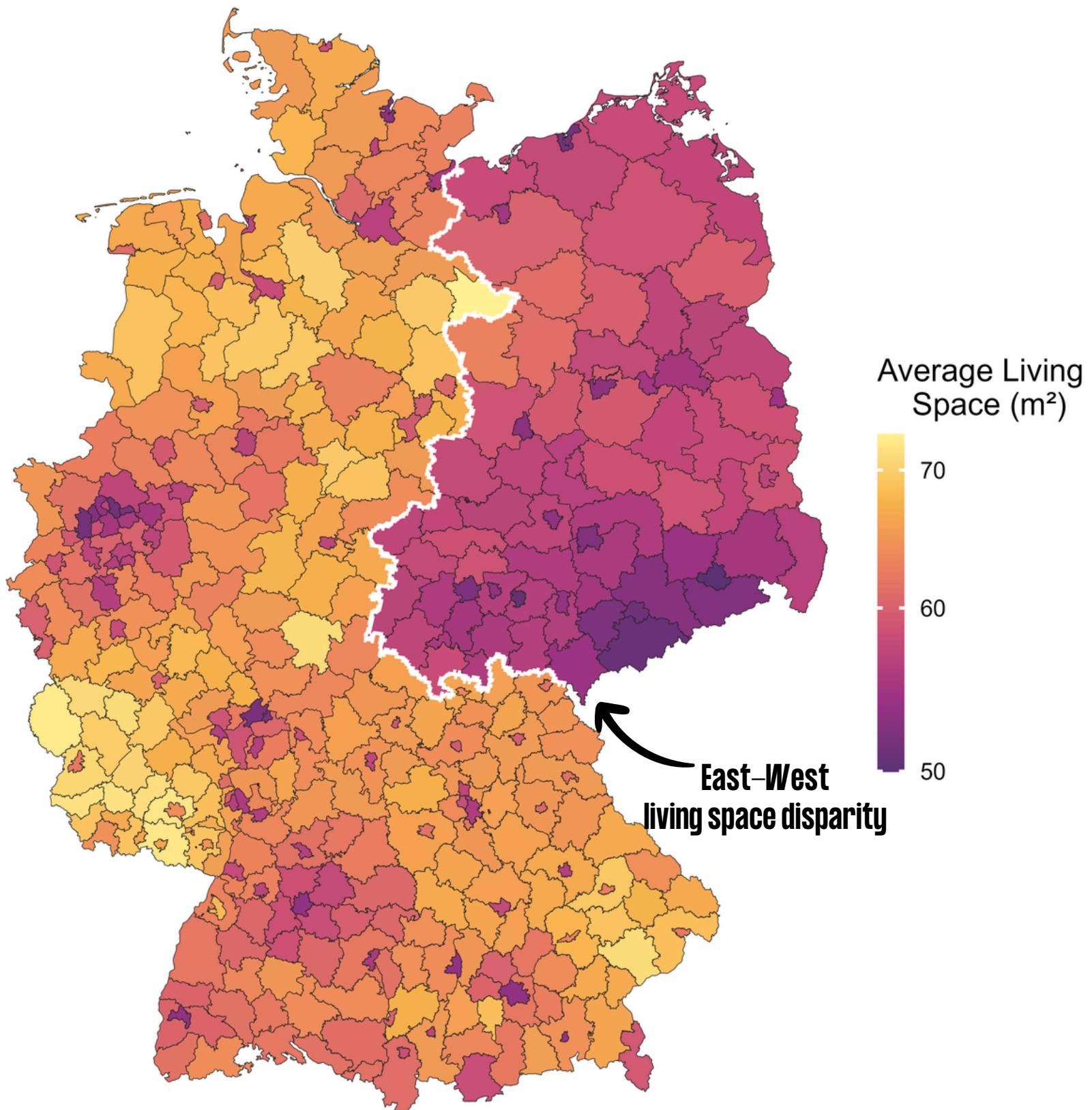
Outside data sources:

Migration and demographic data: GENESIS-Online, Statistisches Bundesamt (Destatis)

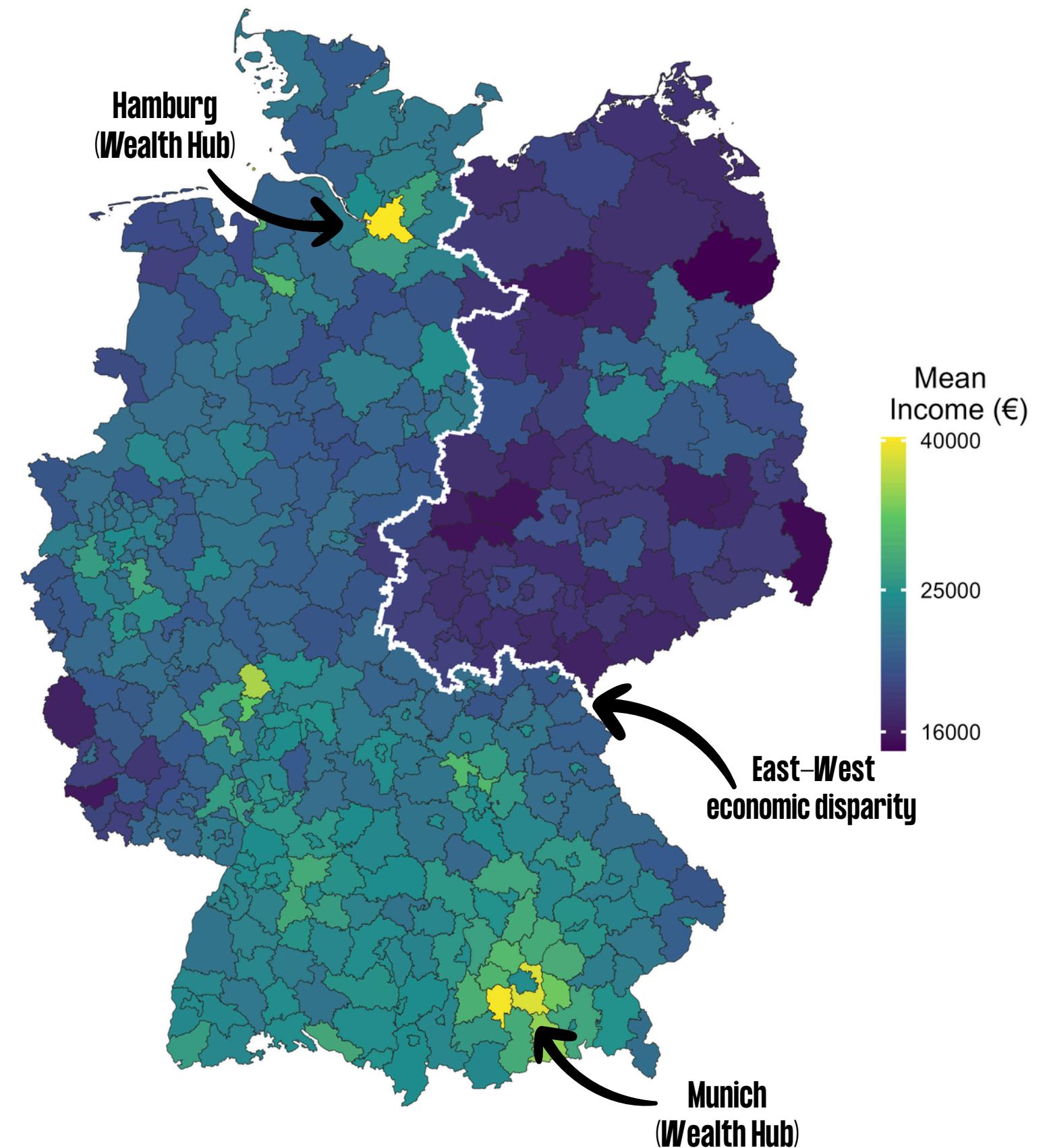
Environmental variables: NASA MERRA-2 Reanalysis

Administrative boundaries: German Federal Agency for Cartography and Geodesy (BKG) – VG250

Average living space across East–West Germany (2022)



Income distribution across East–West Germany (2022)



Feature Importance and Spatial Determinants of Living Space in Germany

Feature Importance: What Explains Living Space (2022)?

