How Much Cheaper Is Rural Life? The Price Levels of German Counties and Cities

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1. Motivation and Data

- International comparisons of Purchasing Power
 Parities (PPP) are inhibited by heterogeneity of
 - products
 - currencies
 - consumption patterns.
- Interregional price comparisons are not plagued by such a degree of heterogeneity.
 Knowing a country's regional price levels allows for an accurate comparison of regional
- However, there is a lack of regional price data.
- For no country regional price levels have been published that
 - are comprehensive (complete country) and
 - include cities as well as rural counties.
- This poster presents such price levels for

- real GDPs
- real wages
- standards of living.

- Germany (data from May 2016).
- The price data have been collected for CPI measurement purposes by the Federal Statistical Office of Germany.
- The regionalized structure of these data allow for spatial price comparisons.

2. Methodology

- On the lowest level of product classification there are large data gaps.
- Therefore, a multi-stage version of the Country Product Dummy (CPD) method is used; unweighted below basic headings and weighted by expenditure shares above basic headings.
- Hedonic regression for rents below basic heading:

 $\ln(rent / sqm)_i = \alpha_1 D_i^1 + \dots + \alpha_r D_i^r + \dots + \alpha_{335} D_i^{335} + \beta_1 \ln sqm_i + \beta_2 \ln duration_i + \dots + u_i$

for all regions r = 1, 2, ..., 335 and flats i = 1, 2, ..., 13969 (regression includes categorical variables for

residential quality, equipment, and public housing).

• Average rents for further 65 regions are directly computed based on 3792 observations.

3. Regional Price Levels in Germany



Contact

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