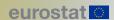


Web data vs. traditional data sources on real estate – augmenting official statistics

Klaudia Peszat, Emilia Murawska (Statistics Poland)





The conference is partly financed by the European Union

Web Intelligence Hub (WIH)

Online job advertisements (OJA) Enterprise characteristics (OBEC)

Experimental research – new use-cases

Methodology Quality Architecture



Web Intelligence Network

14 countries, 17 organizations, ~100 members

Contribute to the development of the Web Intelligence Hub

Reach out to all ESS countries

Use web data, use the WIH



eurostat O

Most mature use-cases



Online job advertisements (OJA)



Enterprise characteristics (OBEC)



Current data sources on the real estate market in Poland

Sales market

Real Estate Price Register Survey - the Central Bank of the Republic of Poland (NBP)

transaction prices

transaction prices

offer prices

Rental market

Survey - the Central Bank of the Republic of Poland (NBP)

offer prices

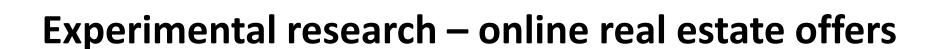
companies

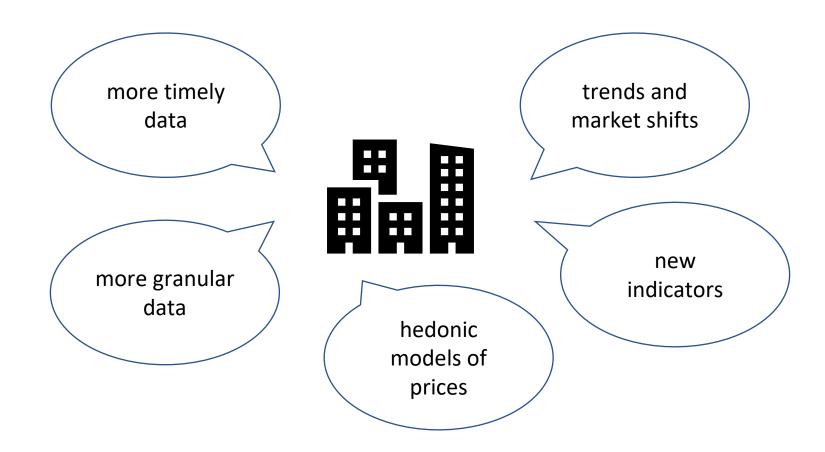
Private

offer prices

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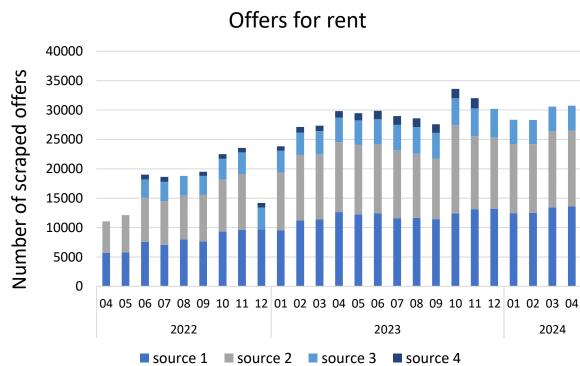
We are pleased to present a property with an area of less than 70m2, located in close proximity to the Main Market Square in Krakow. The apartment is located in a historic tenement house, from which the view spreads over the tower of St. Mary's Basilica.

The apartment is located on the 4th floor of a historic tenement house located at the Main Market Square in Krakow. The apartment with a cadastrial area of 67.34 m2 consists of a large living room, 2 bathrooms with a shower and a bathtub, a kitchenette, two separate bedrooms and a spacious mezzanine with a second bedroom. The apartment is fully equipped and fully furnished. From the windows of the premises we can see the charming roofs of the Old Town and the tower of St. Mary's Basilica. The premises is suitable for short-term rental activities and is leased until 2028. With the current layout, it will comfortably provide accommodation for 8 people. The apartment is equipped with air conditioning and video security system.



Real estate sales and rental offers in Poland

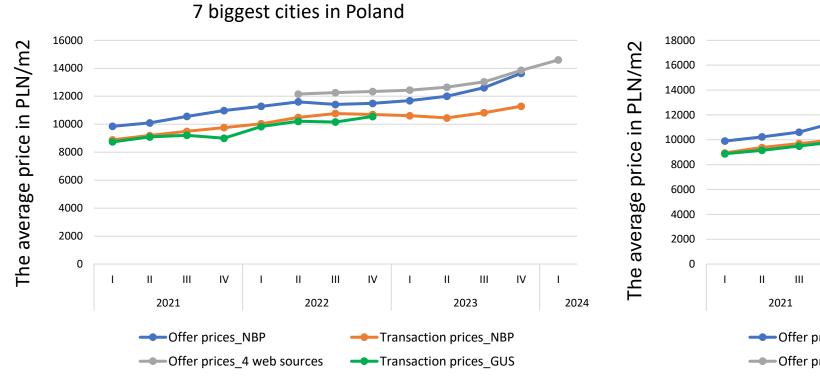


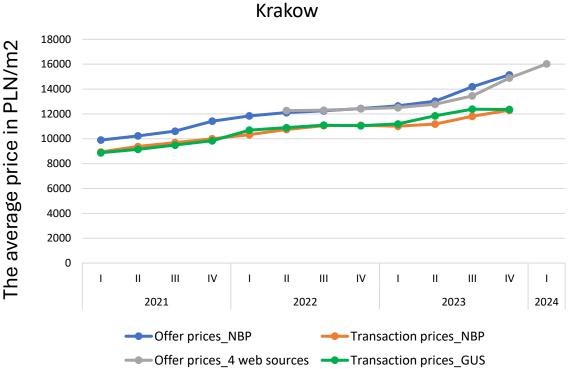






Real estate – comparison between web data and official statistics





Quality and methodology issues

- Difference between offer and transaction prices
- Undefined population (lack of reference source for rental market)
- Duplication of offers (within a single portal/ across different portals)
- Multi-offers (apartments in new constructions)
- Missing values (e.g. price of apartments in new constructions)

Lessons learned & preliminary conclusions

New data sources vs. official statistics quality standards

Filling the information gap

Role of domain experts

Legal / organizational constraints

Maintenance of stable access to web data sources

Staff skills and competencies



Thank you.

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