Better Statistics, Better policy: Using Property Data in Official Statistics

How do advertised private rent prices differ across small areas in Great Britain?

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Understanding the rental market for policy

- Increasing importance of the UK rental market is recognised by the public, politicians and housing experts
- Combined with increasing devolution of policy-making powers, there is a need for high quality statistics and analysis on the price and number of rental properties at a local level
- Statistics are needed to help housing policymakers make decisions on provision of rented accommodation, local housing allowance benefits and the regulation of the private rented sector in the devolved administrations

Currently:

We report changes in house prices at both the national and subnational level, down to the MSOA level

We also report changes in private rent prices at the national & regional level

There is an increasing demand for statistics on rent prices at the small area level, which, until now, we haven't been able to produce

Using extracts of big data from Zoopla

Data

- Zoopla data from WhenFresh used to produce statistics on the number and price of private residential rental listings
- Data relate to the 7 Census test areas
- Applied the method to a full GB Zoopla dataset supplied by the Urban Big Data Centre
- Carried out coverage & quality analysis

Example of what raw data could look like:



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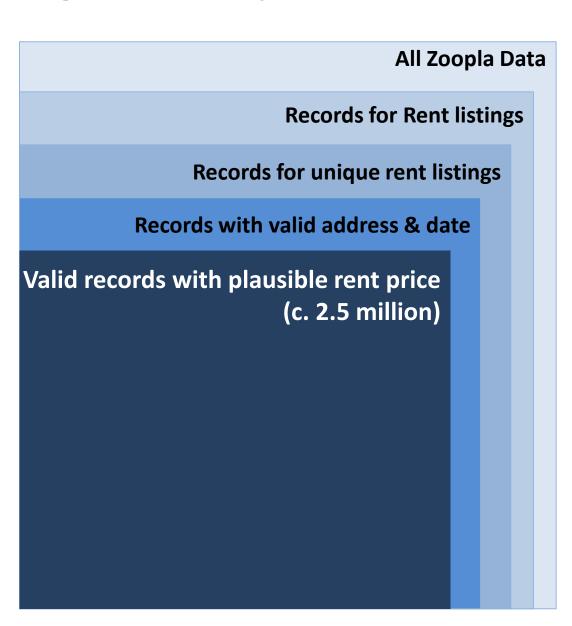
Project aimed to produce prototype small area advertised rent price statistics including:

- key statistics broken down to local authority & MSOA (Middle layer Super Output Area) level for 2010 to 2016
- 2. breakdown of the statistics by further variables, e.g. property type
- 3. comparisons with official LA level rent price statistics & with House Price Statistics for Small Areas

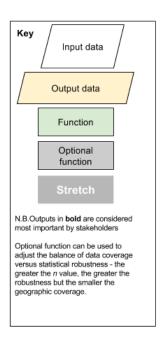
Understanding the Zoopla data

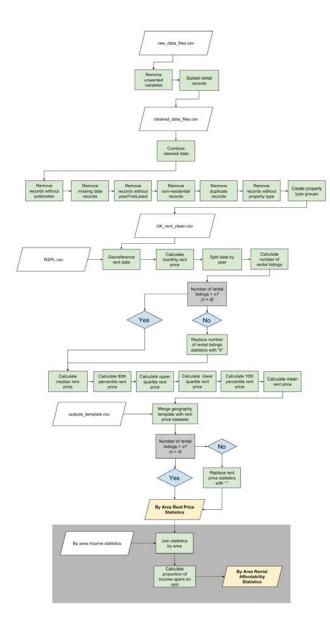
Zoopla Data

- Are any records missing rent price information?
- Are there any implausible rent prices?
- Are any records missing postcode information?
- Are there any duplicates?
- Are any records missing date information and do any have implausible date ranges?

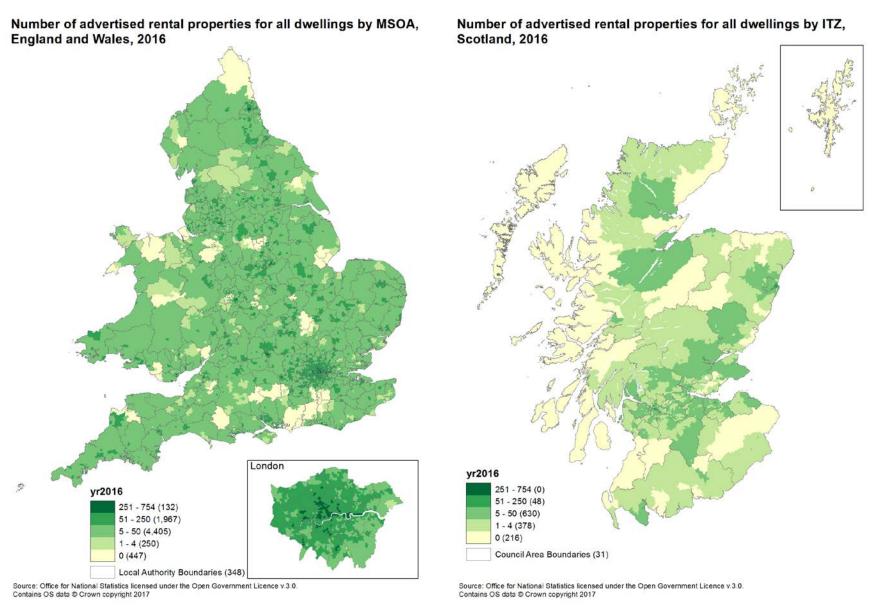


Producing the statistics



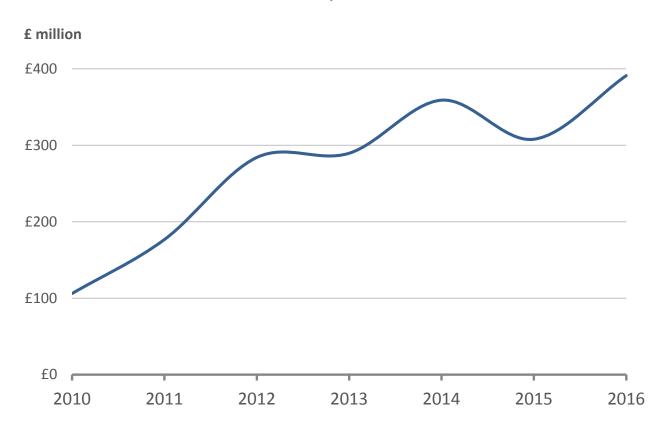


Understanding the coverage & quality

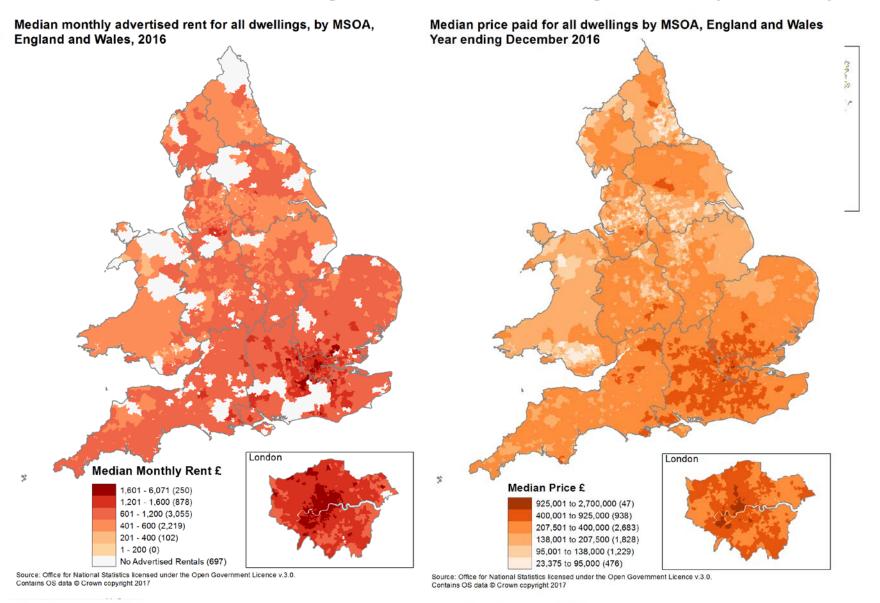


Understanding the coverage & quality

Total value of advertised private rental prices Great Britain, 2010 to 2016



Understanding the coverage & quality



Next Steps

- Investigate coverage gaps in more detail
- Calculate a rental affordability metric
- Publish a research report describing the data and the findings
- Seek lots of feedback (feedback to better.info@ons.gov.uk)

