

Residential Choices as a Driving Force to Vertical Segregation in Whitechapel

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Abstract This study examines the impact of habitat choices and householder migration on Interbuilding Vertical segregation in Whitechapel, a diverse inner-city neighbourhood in London. For migrants living in this absorption area, the need for a sense of belonging and continuity leads to the development of micro mechanism that improve the individuals' ability to cope with the urban challenges. Based on residential records at the resolution of single families and flats that cover a period of 17 years, the study reveal and analyse powerful mechanism of residential segregation at the vertical dimension of buildings, which the dwellers are recognise, adjust to and obey. Taken together, this mechanism is a candidate for explaining the dynamics of residential segregation in Whitechapel during 1995–2012.

Keywords Spatiotemporal data acquisition, Modelling, Analysis, Volunteered geographic information, Community observatories

