

Supplementary Material

Table S1. List of all variables used within the analysis, and their description

Var Name	Description
code	LSOA code
NDVI	Normalised Difference Vegetation Index – indication of passive greenspace, from CDRC dataset “Access to Healthy Assets & Hazards”
Blue_Dist	Distance to closest bluespace – from CDRC dataset “Access to Healthy Assets & Hazards”
GSAP_dist	Distance to closest greenspace access point
GS_prox_func	Function of closest GS: Play Space, Playing Field, or Public Park Or Garden
GS_area	The size of closest greenspace (m ²)
RSE_dist	Distance to nearest railway (m)
TM_dist	Distance to nearest tram or metro stop (m)
MWJ_dist	Distance to nearest motorway junction (m)
BS_dist	Distance to nearest bus station (m)
RUC1	RUC 2011 assignment
NumATL_1mile	No. of any transport link of those above within a mile
NumATL_2.5mile	No. of any transport link of those above within 2.5 miles
NumATL_5mile	No. of any transport link of those above within 5miles
ATL_dist	Distance to nearest transport link of any kind
NumGS	Number of GS within 500m
period	period of gentrification - where no gentrification was identified, the period and associated data (CVA and DP) are randomly assigned
Angle	CVA angle
Magnitude	CVA magnitude
CHURN	Data Primitive change
ETH	Data Primitive change
PROF2POP	Data Primitive change
HP	Data Primitive change
GT	GT score from process function for the period stated
start	Start year of gentrification
peak	Peak year of gentrification
start2peak	Number of years from start to peak gentrification
end	End year of gentrification
cum.val	Cumulative GT score (within the
duration	Duration of gentrification
peak2end	Number of years from peak to end gentrification
X2010.2011	The sum of the changes within this period
...	x45 of these variables relating to each unique combination of time periods in 2010-2019 study period
G_count	Number of times the gentrification criteria has been met throughout the 45 different time periods
Gent	Presence of gentrification, “Gentrification” or “None”
Type	Type of gentrification if present or “None”, “Residential”, “Rural”, “Transport”

Figure S1: Interactive map of the predicted gentrification in England

<https://uni-of-leeds.maps.arcgis.com/apps/instant/basic/index.html?appid=99671dafa1ba4650814c31ee1159a050&locale=en>

This is a link to an interactive map of the predicted gentrification in England. You can explore the predicted type, and their associated temporal properties including the start, peak, and end years of gentrification, and the number of years from start to peak, and number of years from peak to end of the gentrification.