

How the Geographic Clustering of Young and Highly Educated Voters Undermines Redistributive Politics

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We analyze support for the welfare state across time and space in Great Britain. Using multilevel regression and post-stratification with historical data and an original survey, we show that a virtually identical majority of people supported those policies in the mid-1990s and in 2020, but patterns of support were very different. Young and highly educated people are now the strongest supporters, as are the youngest and most highly educated geographic areas, mirroring divides over “second-dimension” issues like Brexit. However, young and highly educated voters are clustered in a small number of places, with the Labour Party struggling to win moderately educated and moderately young areas. As a result, the left’s problem in majoritarian systems is not the rise of second-dimension politics per se but rather how its supporters are distributed spatially along that dimension. A *majority of voters* in favor of welfare and redistribution no longer translates as easily into winning a *majority of places* in support.

Many countries are experiencing a growing divide in economic fortunes between thriving urban centers of the knowledge economy and peripheral “left-behind” places. These rifts have political implications. The Brexit referendum and the election of Donald Trump represented the “revenge of places that don’t matter” (Rodríguez-Pose 2018), fueled by declining social mobility, fading job prospects, and feelings of political neglect (Baccini and Weymouth 2021; Cramer 2016; Gimpel et al. 2020). In this article, we argue that in the United Kingdom—a typical majoritarian electoral democracy—socioeconomic changes have also made it harder for left parties to enact social policies. The spatial clustering of younger and highly educated people, who are the new core supporters of welfare and redistribution, undermines redistributive politics when combined with a plurality voting rule in single-member districts.

Recent work has documented how the spatial concentration of voters matters for policy preferences (Beramendi 2012; Enos 2017; Rodden 2010; Wiedemann 2024) and political rep-

resentation (Döring and Manow 2017; Jusko 2017; Rodden 2019). Prior research on support for social policy and redistribution, though, has focused on either nationwide changes or variation across regions. A lack of suitable data has prevented studies of geographic variation in preferences at a more localized scale and over time. As a result, we know very little about the spatial distribution of preferences toward welfare and redistribution, how this has shifted over time, and what this means for the ability of parties to enact redistribution. We fill these gaps with new evidence from Great Britain, drawing on historical survey data from the 1994–96 waves of the British Social Attitudes Survey (BSAS) and an original nationally representative survey from 2020. This allows us to study fine-grained changes in the geographic distribution of preferences over a 25-year period. We take as given that the geographic clustering of social groups affects the average preference of an area through the direct effects of sorting by social groups, as well as peer effects and contextual effects. Our focus is on measuring the political consequences of these processes: the

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average preference for welfare and redistribution in every local authority area in Great Britain in both periods, using multi-level regression and poststratification (MRP; Hanretty, Lauderdale, and Vivyan 2018; Warshaw and Rodden 2012). In addition to measuring combined support, we disaggregate preferences into a redistribution dimension and a deservingness dimension.

We use our estimates to demonstrate the impact of three key sociopolitical developments on the politics of redistribution. First, educational upgrading means that there are many more *universalists* in the population: people who are highly educated, younger, and socially liberal (Bornschier et al. 2021). As we show in this article, these groups have now also become key supporters of welfare and redistribution. By contrast, 25 years ago, low-income and unemployed people were much more numerous and formed the core of support. Second, this means that the ability of center-left parties to form a geographic coalition in favor of redistribution is crucially dependent—in majoritarian countries—on where younger and highly educated people live. We demonstrate that they are unevenly distributed in space. A few places like cities and university towns have many very young and highly educated residents, but many other places have far fewer. As a result, support for welfare and redistribution is, from the perspective of left parties, much more inefficiently distributed today than it was when low-income and unemployed people were the main supporters of redistribution 25 years ago. Third, political competition in many cases now takes place along a libertarian-authoritarian axis—so-called second-dimension politics—over issues such as immigration that do not necessarily align with the first dimension of conflict over economic issues and the size of government (Caughey, O’Grady, and Warshaw 2019; Häusermann and Kriesi 2015; Inglehart 1990). In countries with majoritarian electoral regimes, the challenge in assembling a geographic majority for redistribution is to win the median area in terms of support. But these median areas today have stronger support for such second-dimension issues that are a poor fit with center-left policies. Today it is more difficult for the left to win these median-supporting areas than in the past, when political conflict revolved more around economic issues.

This combination of changing individual-level social policy preferences, geographic clustering, and a new axis of political competition undermines the translation of a majority of preferences in favor of the welfare state into legislative seats and political power. The political challenge for the left is not so much the rise of second-dimension politics per se; we find that nationwide popular support for redistribution was largely unchanged from the mid-1990s to 2020. It is rather the way that its voters are distributed spatially in terms of that dimension. Thus in a country like Great Britain, where elections are

held in single-member districts under plurality rule, a *majority of voters* in favor of welfare and redistribution no longer translates as easily into winning a *majority of places* in support. The rise of the knowledge economy, the changing landscape of economic opportunity, and the clustering of socially liberal young and highly educated people (Boix 2019; Iversen and Soskice 2019) have important implications for redistributive politics by shaping electoral coalitions when elections are held under plurality rule.

Our findings also speak to current debates about growing regional inequalities and potential policy solutions for so-called left-behind areas. Because support for welfare and redistribution is now so strongly tied to social conservatism, and because left-behind places are relatively socially conservative, places that would benefit the most from government redistribution are the least supportive of such policies, even though the residents of highly successful and wealthy places might be willing to pay for it. In fact, we find no evidence for any geographic realignment of party support in terms of areas’ support for welfare and redistribution in the United Kingdom. The Conservative Party continues to perform best in areas with the weakest support for redistribution, implying no greater electoral pressure for them to redistribute. This helps explain why the current Conservative government has proposed to “level up” economically declining areas through investment in infrastructure, jobs, and education rather than focusing on traditional transfer-based redistributive policies (Jennings, McKay, and Stoker 2021). Meanwhile, in geographic terms, Labour continues to be the party of redistribution—thanks to its new heartlands in cities and university towns where young and highly educated people are clustered. As the knowledge economy further amplifies the economic divides between successful urban areas and the remaining periphery, the political dynamics we document in this article are likely to become more important in the future.

AGE, EDUCATION, AND SUPPORT FOR WELFARE AND REDISTRIBUTION

The transition from Fordist manufacturing to the knowledge economy has marginalized many regions, notably former industrial heartlands. Economic decline, fading job opportunities, and political resentment against urban elites are part of the reason why the votes for Brexit in 2016 and Donald Trump in 2020 were concentrated in nonurban areas and, more broadly, why populism has thrived in left-behind places (Adler and Ansell 2020; Baccini and Weymouth 2021; Cramer 2016; Gimpel et al. 2020; McKee 2008; Rodríguez-Pose 2018). Yet, knowledge-intensive industries, together with adjacent service sectors, have agglomerated in urban centers and university towns. Well-educated and young people have clustered in those

places, leaving left-behind areas—often former industrial regions—relatively old and bereft of graduates (Ansell and Gingrich 2021; Boix 2019; Iversen and Soskice 2019). Our aim is to understand how this clustering of young and well-educated people in space affects the distribution of support for redistribution and welfare across small geographic areas. Before introducing our geographic preference estimates, in this section we explain the connections between age, education, and policy support. The clustering of young and well-educated people shapes places' average demand for social policies through geographical sorting as well as peer and contextual effects, which we discuss in turn.

The impact of geographical sorting by young and highly educated people

Direct effects of sorting refer to the impact of, for instance, university graduates moving to a new area and maintaining their old opinions after the move. The impact of these dynamics on the geography of preferences for redistribution and welfare depends on the preferences of different age and education groups. Throughout this article, we estimate peoples' preferences for redistribution and welfare using the analysis of five questions that were originally asked in the BSAS. The BSAS is the United Kingdom's gold standard for a nationally representative social survey, which has been asking these questions almost annually since 1985. All five questions have five-point Likert response scales. The specific question wordings are as follows (original item abbreviations from the BSAS in parentheses), asking "How much do you agree or disagree that . . .":

1. If welfare benefits weren't so generous, people would learn to stand on their own two feet? (welffeet)
2. The government should redistribute income from the better-off to those who are less well off? (redistrib)
3. The government should spend more money on welfare benefits for the poor, even if it leads to higher taxes? (morewelf)
4. Many people who get social security don't really deserve any help? (sochelp)
5. Most people on the dole are fiddling in one way or another?¹ (dolefidl)

Figure 1 shows overtime patterns for each question by education group and by three age groups—young, middle aged,

and elderly—from 1985 to 2019–20 (the latest available data).² Degree holders have been more likely to perceive welfare recipients as deserving or better behaved since the 1980s (welffeet, sochelp, and dolefidl). School leavers and degree holders have generally shown about equal support for redistribution and welfare spending (redistrib and morewelf), although since the mid-2010s degree holders have moved slightly ahead of the other groups. By 2019 degree holders were the most supportive group across all five questions, with a much larger gap for issues related to deservingness.

Differences by age have mostly been quite small since the late 2000s, but recently a gap has opened up between the young and old on all measures except morewelf, with young people now more supportive. Thus both young and highly educated people have become core supporters of redistribution and welfare in the United Kingdom.³

These subgroup differences are readily explainable using theories of support for redistribution and welfare. To understand why, we must first distinguish redistribution to the poor and redistribution from the rich (Cavaillé and Trump 2015). Highly educated people tend to behave more altruistically (Rueda 2018). They hold socially liberal values that make them favor redistributing to the poor, whom they perceive as more deserving, hard working, and less prone to fraudulent behavior than low-educated people (Attewell 2022; Bullock 2021; Gelepithis and Giani 2022). They are more

2. "Secondary school and below" includes people who received qualifications at ages 16–18 (O level, General Certificate of Secondary Education, A level and equivalents) or lower, including those with no qualifications. We present education data only up to 2019, since a change in the question wording about education in 2020 renders 2020 incomparable to the past data.

3. An obvious question is whether recent changes by age are temporary or due to methodological issues related to the COVID-19 pandemic. The 2020 BSAS was collected from October to December 2020 using online and telephone surveys, in contrast to previous years when interviews were conducted face to face. To help verify whether this affected results, a panel study was carried out in July 2020 to recontact people who had been interviewed face to face in past years (Curtice, Abrams, and Jessop 2021). Conducted online, this survey revealed near-identical results to the late 2020 final survey, meaning that the "pattern of support [for redistribution] increasing most among those who are younger was in evidence in our July 2020 panel as well as in our most recent BSA survey—and thus is less likely to be an artefact of the change in our survey methodology" (24). In most cases the changes also did not begin in 2020 but rather continued trends since the early or mid-2010s. The subgroup patterns were also replicated almost perfectly in our own separate survey that was conducted via YouGov in September 2020, shown later in this article. The 2021 BSAS data are not yet available for analysis, although a report detailing headline results is available and shows little or no change in aggregate support for the variables that we include (Curtice et al. 2021). Therefore we do not believe that the 2020 patterns were temporary or anomalous due to the pandemic.

1. "Social security" and "the dole" in the United Kingdom generally denote benefits and transfers and are widely used terms, equivalent to the American use of "welfare."

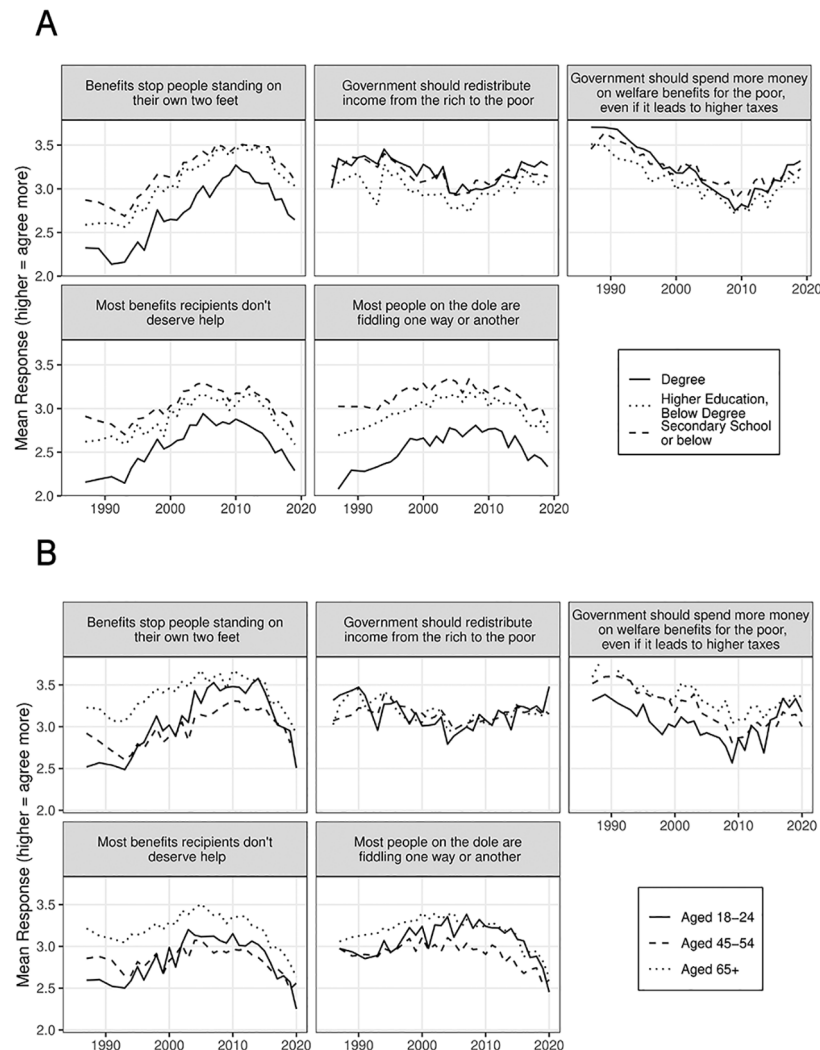


Figure 1. Public opinion on welfare and redistribution, 1985–2020, by education (A) and age (B). Mean responses by groups on five-point Likert scales, where higher values indicate greater support for each statement. Data source: BSAS, 1985–2020.

tolerant of diversity and supportive of immigration, whereas lower-educated natives fear that immigrants will be the target of redistribution: the phenomenon of welfare chauvinism (Häusermann and Kriesi 2015; Hjorth 2016; Mewes and Mau 2013; Reeskens and van Oorschot 2012). Yet, concerns about moral deviance from welfare claimants are strongly linked to authoritarian values, which are much more prevalent among lower-educated people (McArthur 2023). Hence beliefs about the deservingness of welfare claimants are more related to positions on the “second” noneconomic libertarian-authoritarian dimension of political conflict than to the “first” dimension of traditional left-right conflict about economic issues. In addition, last-place aversion affects low-educated groups close to, but not at, the bottom of the economic ladder. They are motivated to defend their relative privilege by excluding the very poorest from redistribution, with concerns about loss of relative status leading them to support radical

right parties that campaign to limit benefits to “deserving” natives (Gidron and Hall 2017; Kurer 2020; Kuziemko et al. 2014). For all of these reasons, the education gap in the United Kingdom for deservingness perceptions—welfare, social help, and dolefidelity—holds across European countries (Attewell 2022).

Highly educated people could also in theory be more opposed to redistributing from the rich to the poor, as captured by the redistribution and more welfare questions. Education leads to higher income, lower unemployment risk, a superior ability to self-insure through savings, and better prospects regarding future job security and income growth. Material self-interest could therefore reduce support for redistribution among highly educated people (Attewell 2022; Bullock 2021; Gelepithis and Giani 2022; Marshall 2016, 2019). In addition, university education inculcates a set of shared economic norms and expectations that could lead graduates to oppose redistribution (Gelepithis and Giani 2022; Mendelberg, McCabe,

and Thal 2017). From this perspective, views on “redistribution from” are much more related to the classic left-right dimension of economic issues than to the libertarian-authoritarian axis of conflict. Consistent with these expectations, recent empirical research on European countries from the European Social Survey up to 2016 has found that highly educated Europeans are more skeptical of redistribution from the rich than their less educated counterparts (Attewell 2022; Gelepithis and Giani 2022).

However, although the knowledge economy has benefited those with higher education overall, many highly educated people today—particularly young people, women, and ethnic minorities—are becoming labor market “outsiders.” They are employed in the service sector with higher levels of unemployment risk, lower incomes, and more insecure employment contracts, with involuntary part-time work also common. This group with high education but low income and economic security has grown rapidly in knowledge-economy societies. It now constitutes the core constituency of left parties and strongly supports redistribution from the rich, together with very left-wing stances on the deservingness of recipients (Abou-Chadi and Hix 2021; Häusermann, Kurer, and Schwander 2015; Kitschelt and Rehm 2023). The growing size of this group should lead to a narrowing or reversal of the overall gap between highly educated and lower-educated people on redistribution, as well as a growing convergence between views on the redistribution and deservingness dimensions. The COVID-19 pandemic has likely strengthened this dynamic because highly educated people were more ex-

posed to economic risks than in a typical economic downturn. All of this helps explain the recent developments in the United Kingdom shown in figure 1A.

Recent cross-national survey evidence, collected several years after the data from Attewell (2022) and Gelepithis and Giani (2022), supports this view. Figure 2 shows data from the International Social Survey Program (ISSP) for a question with wording different from the BSAS (agreement with the statement “it is the responsibility of the government to reduce the differences in income between people with high incomes and those with low incomes”). This question featured in both the 2019 ISSP Inequality Survey and the 2020 ISSP Environment Survey. A substantial number of Global North countries are available in the 2019 study; a smaller subset are also available in 2020, with fieldwork occurring during the COVID-19 pandemic in all cases. Today, there is little or no difference in opinions on “redistribution from” between degree holders and school leavers in most places. Only six out of the 17 countries show a clear statistically significant negative difference, with the United Kingdom similar to other countries. In several European cases (Denmark, Finland, Germany, and Switzerland) there was a substantial narrowing of the gap during the pandemic from 2019 to 2020. Both the UK-specific and cross-national data suggest that higher support for “redistribution from” among the highly educated has emerged since 2015 and even more strongly in 2020, so that views on this policy dimension are becoming more aligned with views on deservingness, where highly educated people have always been much more left wing. Today, therefore, the highly educated

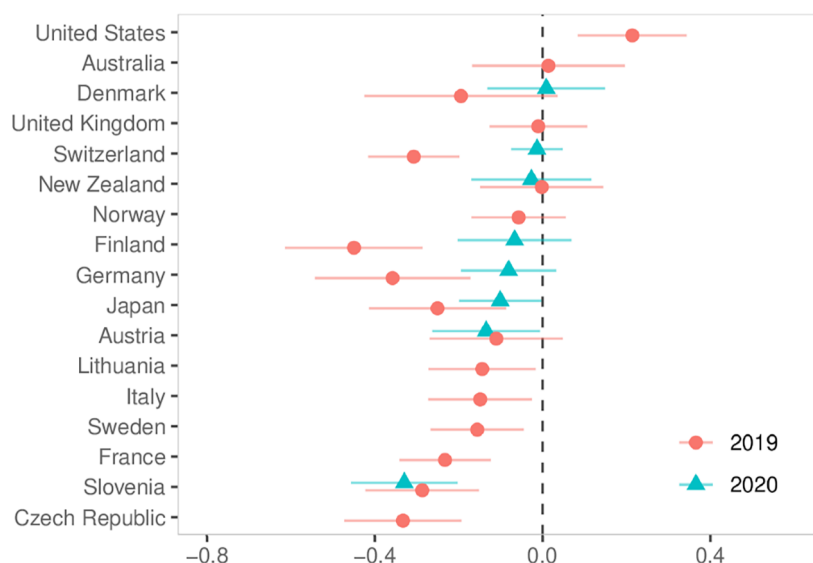


Figure 2. Differences in support for redistribution between degree holders and school leavers. Differences in mean responses by country and year on five-point Likert scales, where higher values indicate greater support for redistribution. For each country, both years are shown where available; otherwise the latest data from 2019 or 2020 are shown. Data sources: 2019 data from ISSP Inequality Survey; 2020 data from ISSP Environment Survey.

form a core demographic group in support of welfare provision and redistribution.

Young people, particularly in the United Kingdom, are also theoretically predicted to be more supportive of welfare and redistribution. They are very socially liberal and, as a result, more likely to perceive welfare claimants as deserving. But they are also much more economically insecure than older generations, who often have generous and secure pension income as well as housing assets. Young people have lower income, less wealth, and weaker access to housing and job security, which makes them more supportive of redistribution from the rich (Bell and Gardiner 2019; Green and de Geus 2021; Pearce and Chrisp 2021). Together with recent changes in support by education, this results in a cleavage in rich democracies that increasingly pits highly educated, middle-class, socially liberal, and younger “universalists” who favor redistribution and believe that welfare claimants are deserving against low-educated, working-class, older, and more authoritarian “particularists” who believe the opposite (Bornschier et al. 2021). The evidence presented here suggests that in the United Kingdom in particular, such patterns have strengthened since the 2010s and particularly during the COVID-19 pandemic. This means that the more that young and highly educated people sort into a geographic area, the more supportive that area will become of welfare policies.

The impact of contextual effects

The spatial clustering of people with similar education levels or ages—and, therefore, particular views on redistribution and welfare—should further shape preferences through contextual effects. Being surrounded by like-minded people directly influences support for welfare provision through peer effects, or there may be contextual factors of left-behind places and knowledge economy hubs, such as their racial diversity or levels of poverty, that shape these preferences too. The existence of compositional effects versus context has been widely debated and measured in the political science literature (Abrams and Fiorina 2012; Cho, Gimpel, and Hui 2013; Enos 2017; Gallego et al. 2016; Maxwell 2019; Sands 2017). We do not seek to distinguish the relative importance of contextual and selection mechanisms as drivers of preferences. We take it as given that both are likely to matter. Instead, we measure the spatial distribution of preferences that has resulted from these processes, document changes over time, and explore its political consequences.

Geographic and political implications

Both sorting and contextual effects imply that support for redistribution and welfare is more heavily concentrated in urban areas and university towns populated by young and

highly educated people, compared to the recent past. These new geographic patterns have strong implications for redistributive politics under majoritarian electoral rules. Prior work has shown that single-member districts bias the translation of votes into seats in favor of right-wing parties as left-wing parties win the few urban districts with very high vote margins while losing many nonurban districts with small margins (Rodden 2010, 2019; Wiedemann 2024). Our argument builds on this research but points to important and understudied spatial changes in the political coalition behind redistributive policies. As education and age have become key predictors of welfare support, the growing spatial clustering of younger and highly educated voters constrains legislative majorities for redistribution under majoritarian electoral rules. This makes it harder for left parties in majoritarian countries to provide generous welfare policies, even when nationwide support for these policies is as high as in the past. In this article, we provide empirical evidence for these claims.

MEASURING SUPPORT FOR REDISTRIBUTION IN SMALL GEOGRAPHIC AREAS

Despite our strong theoretical expectations that the geography of support for welfare and redistribution has changed, no evidence currently exists about local-level social policy preferences. This is largely due to lack of adequate data. Measuring public opinion toward welfare and redistribution over time and across space faces two major challenges. First, we need survey questions that measure support consistently over time. Second, we need geocoded survey data with large enough samples to measure support within political units such as electoral districts or local governments.

Data and survey questions

To address these challenges, we combine two sets of survey data. Our data on historical public opinion come from the 1994, 1995, and 1996 waves of the BSAS. Most data on the characteristics of local authority districts are not available until the 1990s, and the BSAS ceased providing the geographic location of its respondents in the late 1990s. The 1994–96 period therefore represents a “sweet spot” that maximizes historical data at the local level while mostly preceding the large changes in higher educational attainment that have occurred in recent decades. We combine these three BSAS survey waves into one large survey, treating 1994–96 as a single period in order to enlarge the number of observations per local authority. There would be too few respondents in any one of the surveys for reliable estimation using MRP, but they provide enough observations when combined. Altogether this yields data on 8,797 British adults.

Our measure of contemporary social policy preferences comes from an original survey we fielded in September 2020 using the British survey firm YouGov. Unlike current editions of the BSAS, our survey included indicators of respondents' local authority. We obtained a nationally representative sample of 6,314 British adults, providing enough responses to carry out MRP in the aftermath of recent changes in social policy preferences by age and education.

We estimate opinions on redistribution and welfare using the five original BSAS questions shown above. In our YouGov survey we reasked these questions with identical wording and response scales. Since both the 2020 YouGov survey and the 1994–96 BSAS surveys are random samples of the British population, we can meaningfully compare change over time between the two. Nonetheless they were collected with different methodologies and by different survey companies. To check whether these methodological and company effects may be important, we compare our 2020 YouGov survey to the 2020 BSAS survey in figures A.1–A.3 (figs. A.1–A.3, C.1, C.2, D.1, D.2, and E.1 are available online). The latter was also collected in the fall of 2020, after the outbreak of the COVID-19 pandemic. In almost all cases we find only negligible differences between both surveys. Mean support on our three constructed scales (see below for details) and on the five individual survey questions was virtually identical in both surveys, as were subgroup differences by age and education. In both surveys, young people and highly educated people were more supportive of welfare and redistribution by almost identical amounts. Hence, methodological differences between YouGov and the BSAS do not drive our results or prevent us from making comparisons between the two over time.

Before our analysis, when necessary, we recoded the variables such that higher values indicated more left-wing opinions (i.e., pro-welfare or pro-redistribution). After these transformations, all five survey items are positively correlated with each other in the historical BSAS data and in our own contemporary data, as shown in figure 3. We are interested in the two dimensions of redistribution described by Cavaillé and Trump (2015). Redistribution “from” is captured by *redistrib* and *morewelf*, whereas redistribution “to” is captured by *welffeet*, *dolefidl*, and *sochelp*. In both periods the two sets of variables mostly show stronger correlations among themselves than with the other set, suggesting that they do capture distinct concepts. However, in line with the evidence presented in the previous section, the two-dimensional structure is much less evident in 2020, with stronger correlations between all five variables. Today, people who score highly on “redistribution to” are much more likely than in the past to score highly on “redistribution from.” We therefore created three dependent variables: (i) “redistribution,” which is the average

response to *redistrib* and *morewelf*; (ii) “deservingness,” which is the average response to *welffeet*, *dolefidl*, and *sochelp*; and “combined support,” which takes the average of all five variables.⁴ Comparing the 2020 YouGov and 1994–96 BSAS surveys, we find that mean scores on the combined dimension (3.21 in 1994–96 vs. 3.25 in 2020), the deservingness dimension (3.13 vs. 3.25), and the redistribution dimension (3.32 vs. 3.30) were almost identical in the two periods, as figure 1 also suggested. But as we will show below, these extremely similar levels of aggregate support translate into very different geographic patterns of support in both periods.

Figure 4 shows how differences in average support for redistribution, deservingness, and our combined welfare measure across groups have changed over time. Low-income people were more supportive than high-income people in both periods on our combined measure, but this masks differences between the deservingness and traditional redistribution dimensions. While low-income people are considerably more supportive of redistribution than high income people, both income groups share similar levels of support on the deservingness dimension. Those with low incomes score lower on deservingness than on traditional redistribution because their greater social conservatism and authoritarianism conflicts with their greater economic egalitarianism (Häusermann and Kriesi 2015; Kitschelt and Rehm 2023). Conversely, because of their distinctive views on deservingness highly educated people were overall the most supportive group of welfare and redistribution in both periods, joined by young people in 2020. Between-group differences were also larger for age and education than for income. By 2020 young and highly educated people were the core supporters of welfare and redistribution, equaled by low-income people only for the redistribution scale. Overall, today's supporters of welfare and redistribution are very likely to be young and well educated, especially in a political environment where deservingness is more salient than in the past, in part due to an increased focus on the (perceived) moral failings of welfare recipients in media and political discourse (O'Grady 2022).

Unit of analysis: Local authority districts

We use our two surveys to measure support for welfare and redistribution over time and across space for British local authority districts, which are the lowest level of government. Each district covers a distinct and coherent geographic area

4. We use averages rather than, e.g., principal component analysis, to ensure that estimates in both periods are fully comparable. Principal component analysis could lead to differences that arise from different variable loadings rather than changes in opinion per se.



Figure 3. Interitem correlations among survey questions in the 1994–96 BSAS (A) and our original YouGov survey of 2020 (B)

such as a city or county.⁵ In 2020 there were 368 local authorities in England, Scotland, and Wales (Great Britain); our data do not include Northern Ireland. Most of these areas have populations between 100,000 and 400,000, although there are a few outliers such as the Isles of Scilly (just over 2,000) and Birmingham (over 1.5 million). Patterns of party support across local authorities are very highly correlated with patterns by electoral constituency for the House of Commons. We focus on local authorities rather than constituencies for two reasons. First, the technique we use to measure local opinions (MRP) requires samples larger than what we could feasibly collect in order to properly measure constituency-level opinion (Hanretty et al. 2018), since there are many more constituencies than there are local authorities. Second, we compare geographic patterns of public opinion in the mid-1990s to 2020. Over that period there have been very large boundary changes to electoral constituencies that make it nearly impossible to compare like with like over time.

This is not the case for local authorities. Since the 1990s, changes to existing local authority boundaries have been very modest, to the extent that they can be ignored in our analysis.⁶ There have been some mergers of district councils into unitary authorities, reflecting efficiency drives from the central government. This means that there were more local authorities in existence in the 1990s compared to today. Mergers took place at various points, especially in 1996 and again in 2009. Im-

portantly for our purposes, however, these took place in a many-to-one fashion without impinging on existing boundaries. For example, in Northeast England a new unitary authority called Northumberland Council was created from the previously existing Alnwick, Berwick-upon-Tweed, Blyth, Castle Morpeth, Tynedale, and Wansbeck District Councils. We developed a lookup table to create our measures with either the districts as they existed in the 1990s or the districts as they existed in 2020. When measuring local authorities with 1990s boundaries we use the boundaries that existed in the year 1998, since some of our local-authority-level covariates were collected with these boundaries. This means that we measure opinion in 408 local authorities in the mid-1990s, compared to 366 in 2020.⁷ Thus with the 2020 boundaries we have a fully balanced panel data set of opinions over the two periods across Great Britain.

Estimating support for redistribution and welfare at the local level

We estimated the average opinion in each local authority using MRP. The first stage—multilevel regression—involved estimating Bayesian multilevel models. We followed standard approaches, including recent applications to the United Kingdom (Hanretty 2020; Hanretty et al. 2018; Kastellec, Lax, and Phillips 2010). For each of our three outcome scales (redistribution, deservingness, and combined support) we estimate the following model for individual i , in local authority

5. For historical reasons, local authorities are variously known as district councils, metropolitan districts, boroughs (in London), and unitary authorities. In some English areas an additional tier of government sits above them, known as county councils, which do not feature in our analysis. In others a unitary authority covers a whole county, which therefore does feature in our analysis.

6. A typical change involves moving one street into a different local authority.

7. For example, the score for Northumberland in 1994–96 is an average of the measures for Northumberland's predecessor authorities Alnwick, Berwick-upon-Tweed, Blyth, Castle Morpeth, Tynedale, and Wansbeck. Although there are 368 local authorities in 2020, we produce estimates for 366 because we lack covariate data for the City of London and Isles of Scilly.

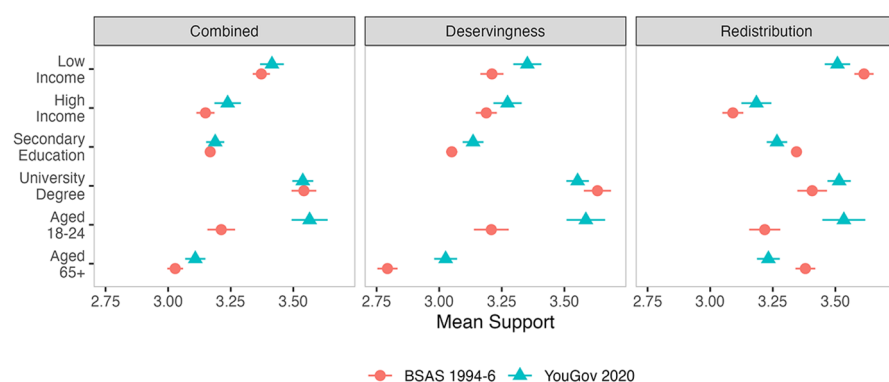


Figure 4. Support for redistribution and welfare by groups, 1994–96 versus 2020. Average response values with 95% confidence intervals. Higher values indicate greater support. Low and high income are defined as respondents in the bottom and top quintiles of household income, respectively. Secondary education includes all respondents whose highest qualification was completing secondary school (up to A level) or lower; university degree includes all respondents with at least an undergraduate degree.

j and region m , with level l of each categorical variable, in both periods across n local authority areas:

$$\text{Opinion}_{ij} = \alpha_0 + \alpha_{l_{\text{sex}}[i]}^{\text{sex}} + \alpha_{l_{\text{age}}[i]}^{\text{age}} + \alpha_{j[i]} + \varepsilon_{ij}$$

with

$$\begin{aligned} \alpha_{l_{\text{sex}}[i]}^{\text{sex}} &\sim N(0, \sigma_{\text{sex}}^2), \text{ for } l_{\text{sex}} = 1, 2 \\ \alpha_{l_{\text{age}}[i]}^{\text{age}} &\sim N(0, \sigma_{\text{age}}^2), \text{ for } l_{\text{age}} = 1, \dots, 9 \\ \alpha_{j[i]} &\sim N(Z_j' \delta + \alpha_{m[i]}, \sigma_{\text{la}}^2), \text{ for } j = 1, \dots, n \\ \alpha_{m[i]} &\sim N(0, \sigma_{\text{region}}^2), \text{ for } m = 1, \dots, 11, \end{aligned}$$

where Opinion_{ij} refers to the opinion of each individual for one of our three scales in a given time period, α indicates a modeled effect with α_0 as the overall intercept, and Z is a set of local-authority-level predictors with associated coefficients δ . Thus each individual's opinion is a function of their individual demographic characteristics (age and sex) as well as the local authority where they live.

To allow for poststratification, the individual characteristics match available data on local authorities' demographic composition. We were able to obtain data from 1996 and 2019 on the proportion of each local authority's adult population by sex and age group (18–19, 20–29, 30–39, 40–49, 50–59, 60–69, 70–79, and 80+). Poststratification precludes us from using further individual-level predictors because population data are not available at a granular enough level. For example, there are no data on local authority population shares defined by the intersection of age, sex, and education. Nonetheless, both age and sex are strong predictors of social policy attitudes, and in their methodological study of how to measure opinion in British parliamentary constituencies, Hanretty et al. (2018) find that the inclusion of strong district-level predictors matters much more for the accuracy of predictions than the poststratification stage.

Our local authority-level predictors all capture important influences on opinion, including variables that should affect the demand for welfare as well as an area's conservatism. They

include an area's benefit claimant share (a proxy for unemployment), share of population that is ages 18–24, share of population that is age 65+, mean gross disposable household income in British pounds, mean amount of benefits received per person in British pounds, population density measured as people per square kilometer, percentage of the adult population educated to degree level or higher, and mean real house price in British pounds. Finally, we obtained the annual change in gross value added in a percentage (a proxy for economic growth), but only at the level of 11 broad regions that are used by British statistical agencies.⁸ The regions also have their own modeled effects, α_m . The uneven availability of data required us to be pragmatic about which dates to use our geographic predictors for; we used the nearest available date in all cases. Appendix section B (apps. A–E are available online) details all data sources, including the years for which we use them. Both of the local authority income variables (household income and benefits received) as well as the mean house price were logged. All continuous variables were rescaled to have a mean of 0 and standard deviation of 1 before analysis.

Estimation was carried out using the R package *brms* (Bürkner 2018) with default noninformative priors. We ran four chains for 2,000 iterations each, with the first 1,000 as warm-up. All standard diagnostics indicated excellent convergence. Our results are therefore derived from 4,000 samples of the posterior distribution, using posterior mean predictions for our main estimates. For each opinion scale in both periods, we then estimated each area's average opinion using poststratification. This involved first predicting the opinion of each demographic sex-age group in each local authority area and then weighting these by each group's share in the local authority

8. The regions are East of England, East Midlands, London, Northeast England, Northwest England, Scotland, Southeast England, Southwest England, West Midlands, Yorkshire and the Humber, and Wales.

district's adult population. We also estimated the uncertainty of our poststratified local authority estimates by rerunning the prediction and poststratification steps for all 4,000 posterior samples. We emphasize that the choice of Bayesian as opposed to frequentist estimation was due to the ease of accurately modeling uncertainty in the Bayesian setup. We show in figures C.1 and C.2 that our results are virtually indistinguishable from an approach that uses frequentist non-Bayesian multi-level models.

GEOGRAPHIC PATTERNS OF SUPPORT FOR REDISTRIBUTION AND WELFARE

Using this setup, we created estimates for 408 local authorities over 1994–96 and 366 in 2020. We normalize our MRP estimates to the 0–1 interval in all figures. Figure 5 plots the densities of our three measures of local authority-level social policy preferences. Across local authorities, the distribution of opinions on redistribution and welfare has changed very little over time. On average, areas were slightly more supportive overall in 2020 (*left panel*) and even more likely to perceive welfare recipients as deserving. There was no change on the redistribution scale over time. In all cases a slight right skew is evident; a few places are much more supportive than the average, but there are fewer outliers at the opposed end of the spectrum. To show the uncertainty of these results, figures D.1 and D.2 show the mean estimates by local authority, alongside 95% credible intervals derived by rerunning the prediction and poststratification steps on each posterior sample. The mean predicted levels of support are tightly estimated, especially in 2020.⁹ Local authorities in the center of the distribution are, unsurprisingly, not statistically distinguishable from each other, but this is not true as we move toward the tails.

Two sets of findings emerge so far. First, popular support for welfare and redistribution was virtually identical in 1994–96 and 2020, despite changing support among education and age groups. Second, the geographic distributions of support were also almost unchanged (fig. 5). However, this apparent geographic stability masks considerable volatility, both between and within areas, since the mid-1990s. The maps in figure 6 provide a more detailed picture of the geographical distribution of welfare support in Great Britain in the mid-1990s and 2020, using our combined measure of support. In 1994–96, polarization was mainly between the more conservative midlands and the south of England and the more liberal areas of Wales, Scotland, inner London and the north of

England. The (then) Labour Party heartlands in rural or semi-rural Northeast England, central Scotland, and South Wales were relatively pro-redistribution. In 2020, however, the highest support was much more likely to be found in the most urban areas. Cities like Cambridge, Cardiff, Edinburgh, Glasgow, Manchester, and Newcastle stand out more from their rural hinterlands than in the past. More outlying areas of London have converged toward inner London too.¹⁰

SOCIOECONOMIC CONTEXT AND WELFARE SUPPORT

In the rest of the article we show why this reshuffling of social policy preferences across areas makes it harder for left parties to win a majority of areas favoring welfare and redistribution, even though a similar number of both people and places supported them. Geographic support has realigned along age and education lines. Winning areas close to the geographic median is much more challenging than it was in the 1990s because those areas are moderately aged and educated—terrain where victory for the left is more challenging as politics has realigned around noneconomic issues.

Changes in the socioeconomic characteristics of local authorities

We begin by examining socioeconomic changes across areas. The density plots in figure 7 show how the socioeconomic characteristics of local authorities have changed over time according to five main indicators that also feature in our regression models. We use 2020 geographic boundaries and the nearest-available data to 1994–96 and 2020, respectively, as described in appendix B. Local authority districts have become only marginally more polarized in terms of household income, with all areas becoming richer over time on average. Unemployment rates (measured by claimant shares) have fallen in, and converged across, all local authorities such that there is very little polarization today. In 1994–96, a substantial number of local authorities had extremely high levels of unemployment; the average unemployment rate was also higher across Great Britain. By the late 2020s the distribution was much tighter. No area had very high unemployment, with the peak rate falling from almost 25% in the 1990s to under 10% in 2020. Meanwhile, the distribution of areas by youth (share

9. The estimates for 1994–96 are more uncertain in some cases because the survey data exclude around one-third of areas, whose predictions are naturally more variable. In 2020 the survey data contain at least one respondent from every local authority.

10. Figure E.1 shows separate maps for each of all three redistribution preference dimensions for the mid-1990s and 2020. It shows that the geographic distributions of the three measures of support for welfare became more correlated in 2020. In the earlier period, some areas like South Wales and Northeast England were more supportive of redistribution than deservingness, but in 2020 the same areas stood out on both dimensions.

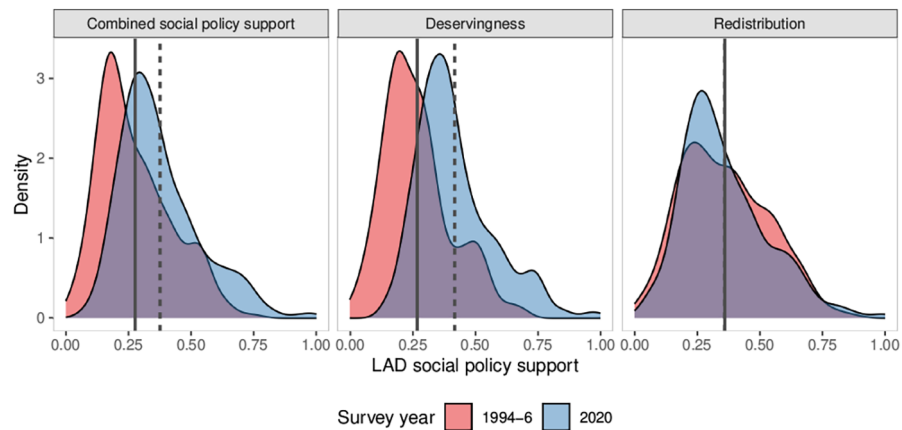


Figure 5. Distribution of social policy support across local authority districts, 1994–96 and 2020. Dashed line indicates the district average for the 2020 YouGov survey; solid line indicates the district average for the 1994–96 BSAS survey. Estimates are normalized to the 0–1 interval. Higher values indicate greater support.

of 18–24-year-olds) became substantially more right skewed between the mid-1990s and the present. Areas were slightly less young by 2020, with the average share of 18–24-year-olds falling from 8.2% in 1996 to 7.9%. However, a key difference is that many more areas were very youthful. In 1996, only two local authorities, the university towns of Cambridge and Ox-

ford, comprised more than 15% 18–24-year-olds. In 2020, that number had increased to 10 local authorities. Young people have become somewhat more clustered in a smaller number of areas.

Average educational attainment in local authorities rose from 16.6% of adults with a degree in the mid-1990s to 42.6%

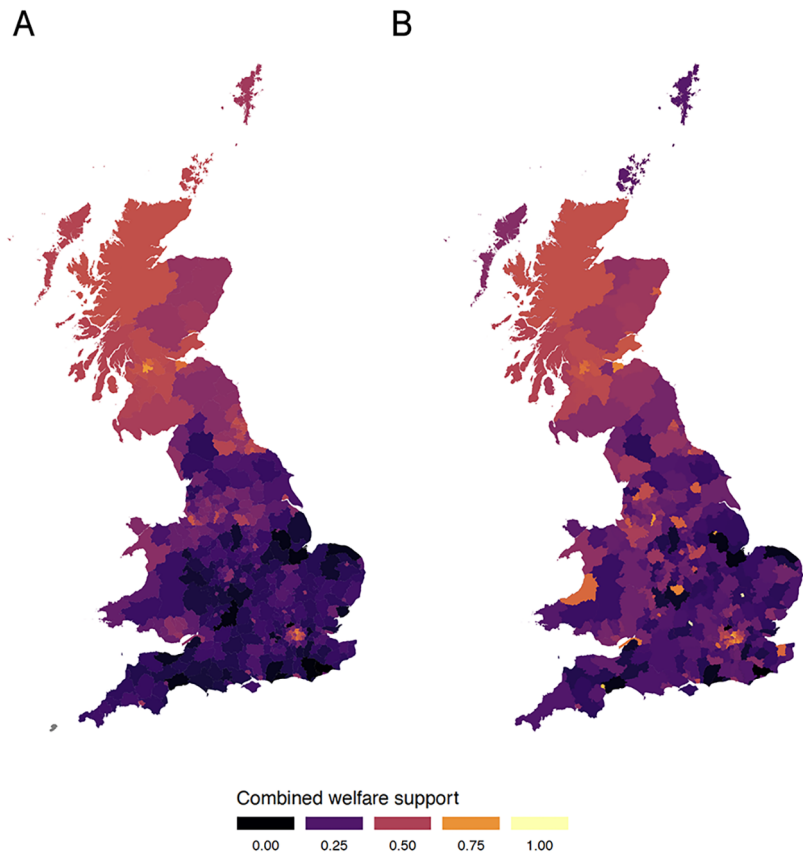


Figure 6. Predicted support for welfare and redistribution by local authority, Great Britain: A, 1994–96; B, 2020. Predicted local authority estimates based on 2020 survey data and 1994–96 BSAS data for the combined social policy estimates. Values are normalized to the 0–1 interval. Higher values indicate more support for social policies. Boundaries differed in 1994–96 and 2020.

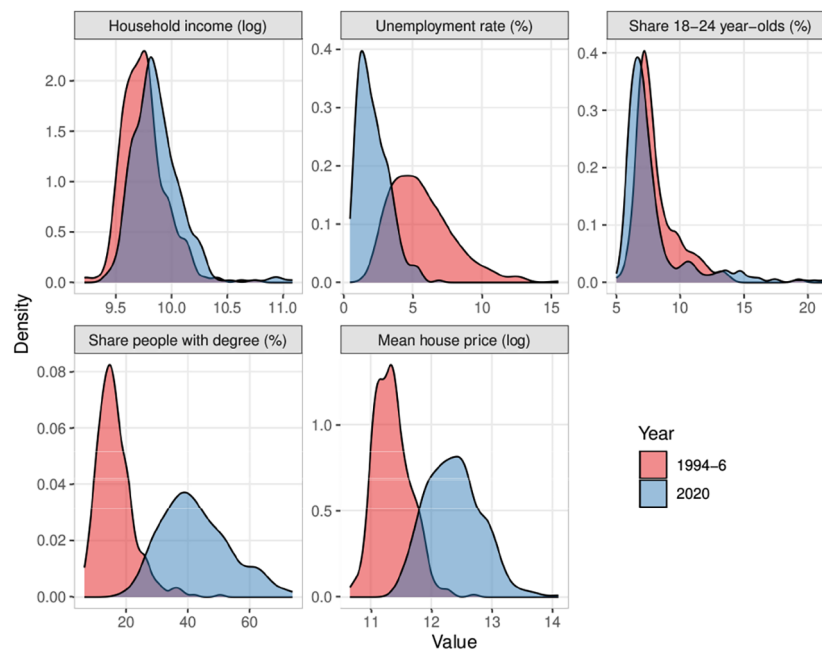


Figure 7. Socioeconomic characteristics of local authority districts, 1994–96 and 2020. The 1994–96 local authorities are mapped onto 2020 boundaries. Household income and house prices are inflation adjusted.

in 2020, reflecting a huge increase in the number of degree holders in the adult population. These degree holders have continued to cluster in knowledge-economy hubs, and these areas became far more educated. Hence previously low-educated places did not catch up with previously high-educated places like Oxford. All areas became far more highly educated, such that the geographic distribution spread out and shifted to the right. In the mid-1990s, there were eight local authorities with more than one-third degree holders; by 2020, that number had increased to 298 (or 81% of all local authorities). There was, and there continues to be, a clustering of highly educated people in certain places, but there are now far more of them than in the past. In 1996, the only borough that had more than 50% of its adult population degree educated was the City of London. By 2020, in a quarter of all local authorities (91), a majority of adult residents held degrees. Finally, the distribution of house prices has evolved quite similar to education but with more positive outliers. Houses have become considerably more expensive on average and more geographically varied; a small number of places—mostly in London—are now far more expensive than the average.

Far greater variation exists today in terms of education levels and age profiles; age and education levels have become more important in describing places. The number of local authorities with more than one-third degree holders and more than 10% young people has grown eightfold from six local authorities in the mid-1990s to 47 in 2020. This has led to a large rise in the number of areas with a majority

of “universalists” (Bornschier et al. 2021)—people who are both highly socially liberal and highly supportive of redistribution—and a large number of areas where this group is in a minority. Combined with the concentration of support for redistribution at the individual level among highly educated and young people, this means that age and education have also become much more important in describing how much a place supports redistribution and welfare. We document this in the following section.

The new geographic preference divide

Figure 8 plots our MRP-estimated public opinions by local authority across the two time periods against the local authority socioeconomic covariates from figure 7, with the addition of population density. In the 1994–96 period the relationship between local authority household income and welfare opinions was downward-sloping over most of the data. Only a few high-income local authority outliers had high levels of support. This pattern reflects the traditional geographic coalition for redistributive policies: low-income areas were, in general, most supportive. By 2020, however, the relationship was mostly flat. Across most areas there was no relationship between average incomes and support, although again a few high-income areas stood out. The changing pattern for unemployment is even starker. In the mid-1990s, areas with the highest level of unemployment were much more supportive of welfare. Three decades later there was

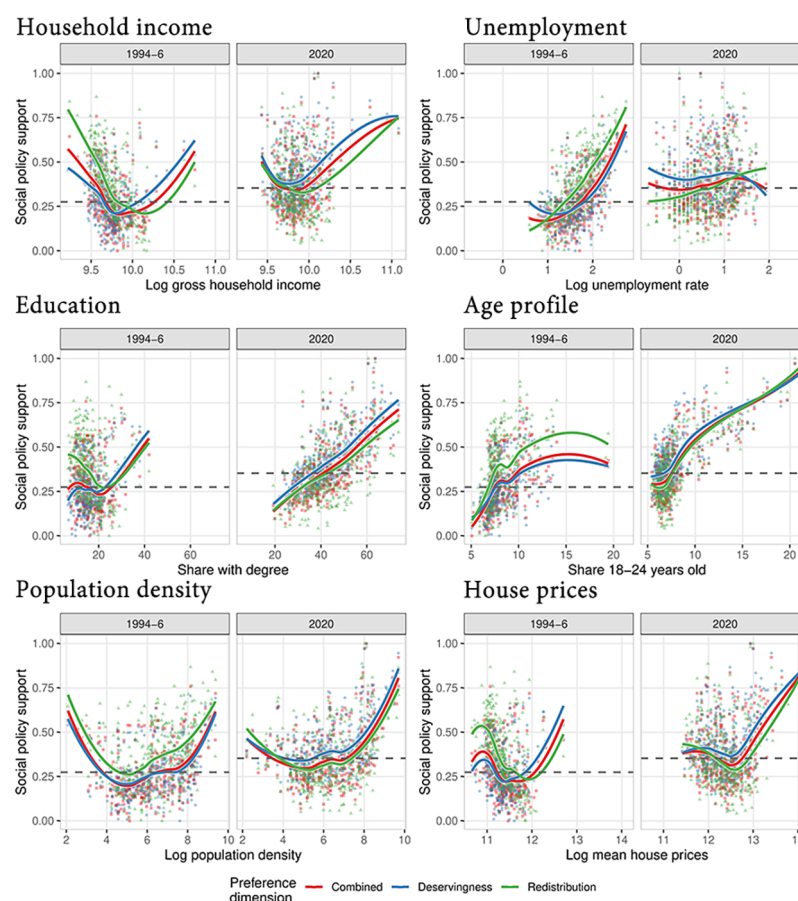


Figure 8. Social policy support and socioeconomic characteristics across local authority districts. Predicted local authority estimates based on 2020 YouGov data and 1994–96 BSAS data. Each dot represents a local authority. The colored lines show loess regressions. The dashed horizontal lines show median preferences (combined measure). Public opinion measures are normalized to the 0–1 interval. Higher preference values indicate more support for welfare and redistribution. Household income and house prices are inflation adjusted.

little or no relationship with local authority unemployment levels, with the slight exception of the redistribution scale.

By contrast, the education and age composition of local authority districts was far more predictive of social policy preference in 2020. In 1994–96 only a handful of places were highly educated, and within that small subset the relationship was upward sloping. Otherwise, education was not very predictive of support. By 2020 an area's education had become an extremely powerful indicator of support. Meanwhile, there was a weakly positive relationship between the proportion of an area's population ages 18–24 and welfare support in 1994–96, which became far stronger in the latter period. In terms of population density, the relationships became slightly more positive over time too but remained mostly flat; only the most urbanized areas stood out as more supportive. Finally, the pattern for house prices is quite similar to that for incomes. In the 1990s, places with lower house prices were a bit more supportive, especially of redistribution. But in 2020, there was little relationship, other than a few very expensive places being most supportive.

Implications for welfare state coalitions

These patterns have several implications for electoral coalitions in favor of social policies. The characteristics of local authorities that are necessary to win a political majority in favor of welfare have changed. For left-wing parties, we can think of this as winning all areas up to the median. In figure 8, this means winning all areas from the top of each panel down to the dashed horizontal line, which indicates the median local authority in terms of social policy support. In the mid-1990s, “core” areas with the highest support had low incomes, high unemployment, and lower house prices. A party could secure a majority by winning all of these core areas together with places that had moderate incomes and unemployment rates, which were mostly low educated and young to moderately young. These are the geographic contours of the traditional social democratic coalition. By 2020, however, the landscape of preferences had changed. The core areas of high support are now highly heterogeneous in terms of income, unemployment, and house prices but are overwhelmingly likely to be highly educated and young. Winning a majority by expanding

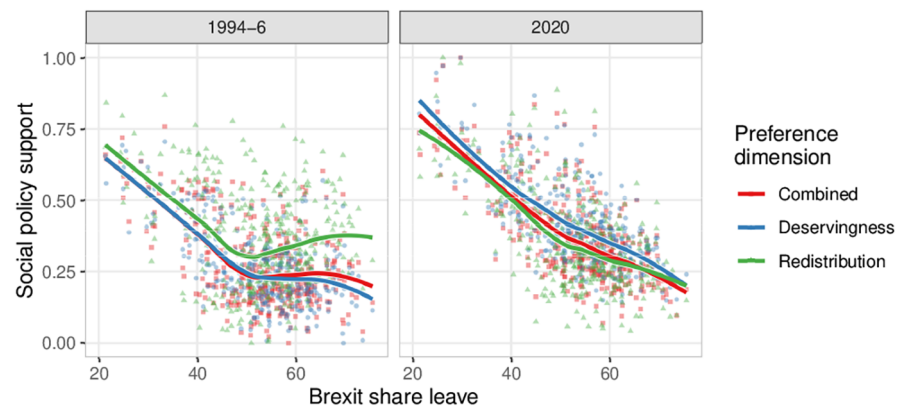


Figure 9. Social policy support and leave share in Brexit referendum across local authority districts. The 1994–96 data use 2020 boundaries, plotting average support in 1994–96 against local authority support for Brexit in 2016. Public opinion measures are normalized to the 0–1 interval.

this to median-support areas means capturing a substantial number of areas with low to moderate education, in addition to places with high education; the same is true of age.

This also means that the geographic divide over welfare in 2020 maps closely onto the Brexit divide, an issue that divided socially liberal and conservative citizens. Figure 9 plots a local authority's leave vote share in the 2016 referendum against our public opinion estimates. In 1994–96, areas that would become least likely to support Brexit showed the highest support for redistribution and welfare. But there was little relationship among areas with stronger support for leaving the European Union (EU). A substantial fraction of places that later went on to support leaving the EU were as supportive of redistribution as the least leave-supporting places. By 2020, the relationship was stronger across the board: local authorities with the highest leave vote share were the least supportive of redistribution and welfare, and none of those places showed support that was anywhere close to local authorities with the highest remain vote share. This is, of course, strongly linked to age and education, since support for remaining in the EU was strongest in the youngest and most educated places such as university towns. Geographically, this also suggests that average opinions on redistribution and welfare are now strongly correlated with social conservatism and opinions on second-dimension issues such as immigration and Euroscepticism.

Another way to think about these patterns is in terms of the debate about so-called left-behind areas. Recently the Conservative Party has made inroads into traditional Labour-supporting areas like rural Northeast England, with lower educational attainment and high leave support in the Brexit vote. Some analysts have suggested that this will place pressure on the Tories to embrace redistribution, or what is sometimes termed “leveling up”: “an expression of a realign-

ment in British politics with the Conservatives presenting themselves as the new party of redistribution” (Jennings et al. 2021, 302). But in fact, it is precisely in the most left-behind places that support for redistribution and welfare has either fallen or risen the least. Figure 10 plots the change in support for welfare and redistribution against changes in the share of adults with degrees from the 1994–96 period to 2020, by local authority. The relationship is weakly positive across all three preference dimensions. In left-behind areas with little rise in higher education attainment, support for welfare and redistribution either fell or rose only slightly. But in places that experienced large educational upgrading, support grew much more. Because support for redistribution is now so strongly associated with the educational divide—and, by extension, an area's social conservatism—left-behind areas have polarized from more successful areas, becoming less rather than more supportive. This is one explanation why the Conservative Party focused on infrastructure, education, and job creation instead of traditional transfer policies in its leveling-up program as an electoral strategy to capture (and keep) votes in left-behind areas.

ELECTORAL CHALLENGES FOR PARTIES OF THE LEFT

How do these patterns affect the ability of political parties to form a pro-redistribution geographic coalition? We now turn to the relationship between party vote shares and opinions on redistribution across local authorities in both periods. British local government elections take place at least every four years. Since not all local government elections are held at the same time, we combine election results from several years to match the two time periods for which we have public opinion data. For 1994–96, we use data from local elections held in 369 local authorities in England, Wales, and Scotland in 1994, 1995, and 1996. For 2020, we use results from local elections held in

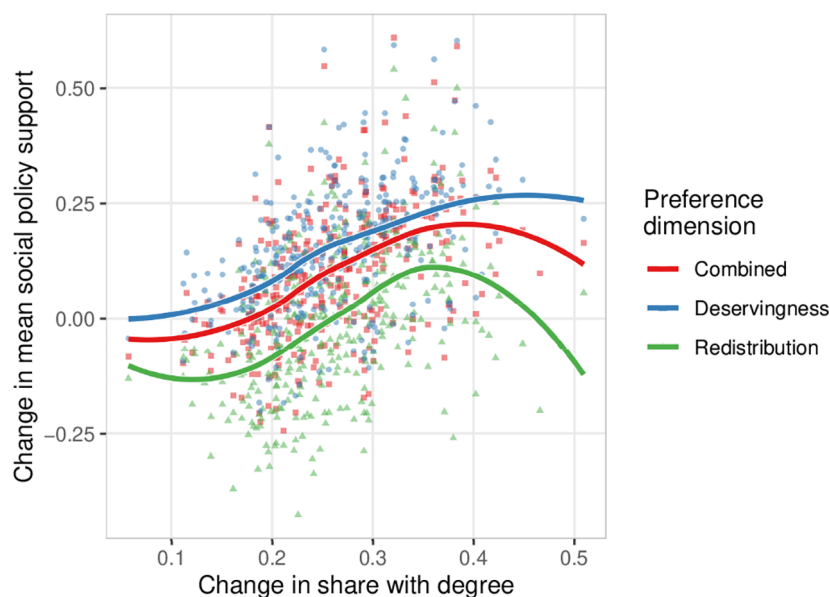


Figure 10. Changes in support for welfare and educational attainment by local authority district, 1994–96 to 2020. Each dot represents a local authority. Lines show loess regressions. The 1994–96 data use 2020 boundaries. Public opinion measures are normalized to the 0–1 interval.

293 local authorities in England in 2018 and 2019 (94% of all English local authorities).¹¹

Figure 11 plots the relationship between average party vote shares and our estimated preferences for welfare and redistribution by local authority in both periods. Despite the geographic realignment of support for redistribution and welfare, for the most part there has not been a similar realignment of party support. The Conservative and Labour Parties are still representing anti- and pro-redistribution areas, respectively. In both periods across most of the range of the data, the relationships were negative and positive, respectively. The deservingness dimension of the welfare state today is more predictive of an area's support for Labour than it was in the mid-1990s. Patterns for the Green Party are similar to Labour, while the centrist Liberal Democrats has shifted over time from a largely anti-redistribution party to a mildly pro-redistribution one. This again shows that the discussion of realignment in the United Kingdom, with the Conservative Party allegedly representing left-behind areas that demand more redistribution, is premature. In fact, the party represents a coalition of areas with similar levels of support as in the 1990s, and there is no evidence that the party's new geographic base implies greater pressure for them to redistribute.

As we showed in figure 5, the overall geographic distributions of social policy support changed very little between 1994–96 and 2020. But compared to the 1990s, today Labour is winning much lower vote shares across those distributions,

as indicated by the leftward shift in the mass of points in figure 11. The opposite is true of the Conservative Party. Figure 12 shows part of the explanation for this by plotting Labour and Conservative Party vote shares against district socio-demographic characteristics. Recall that in the mid-1990s, a geographic majority for redistributive policies consisted of mostly low-educated districts with low to medium incomes and unemployment rates and with a wide age distribution. In that period, Labour was winning in precisely those areas. It did much better in low-income, high-unemployment, and low to moderate education areas and outperformed the Conservative Party across most of the age spectrum. But in 2020 things had changed. Now a geographic coalition consisted of places across a much wider spectrum of incomes and unemployment rates, high to moderate education levels, and low to moderate numbers of young people. Although Labour still did better in the lowest-income areas in 2020, its performance in low-educated areas collapsed; it also did poorly in moderately educated places. By contrast, the Conservatives did as well or better than Labour in all except the most highly educated areas. They also outperformed Labour by a very wide margin in seats with low numbers of young people and did at least as well in average areas; Labour won only the youngest places.

In geographic terms, the realignment of political competition over welfare along second-dimension lines, and the associated decisiveness of moderately educated and moderately young areas, makes it very difficult for Labour to win a majority in the legislature for redistributive policies, even with almost the same aggregate support for these policies as in the

11. We do not have data on local elections in Scotland and Wales, as they were held in May 2017.

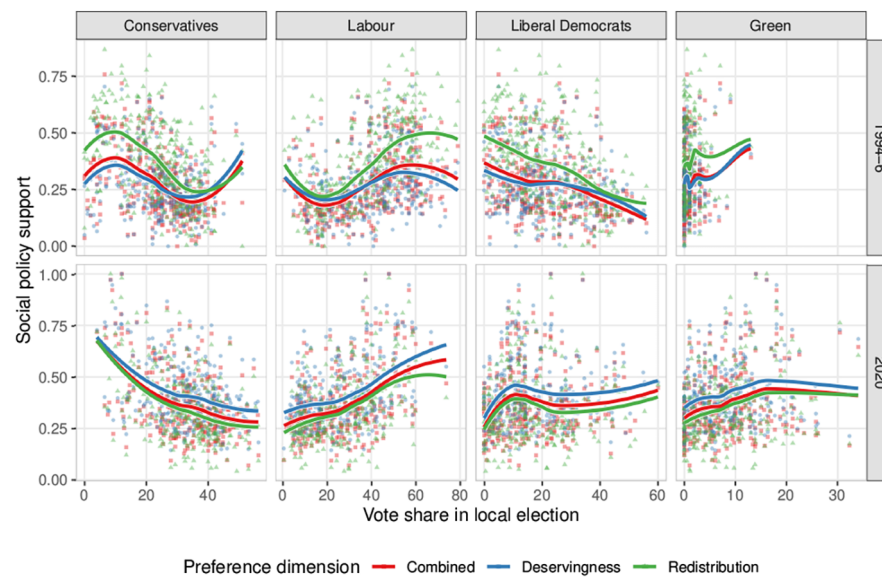


Figure 11. Social policy support and local election vote shares across local authority districts. Dots represent local authorities. Lines show loess regressions. The 1994–96 period uses election results from 369 local authorities in England, Wales, and Scotland, mapped onto 2020 local authority boundaries. The 2020 period uses 2018 and 2019 election results for 293 local authorities in England. Public opinion measures are normalized to the 0–1 interval.

1990s. Areas close to the median support are often opposed to the EU and immigration and are more socially conservative. Even if they are closely aligned with Labour's views on redistribution, they are much further apart on these noneconomic issues, which now form a core part of political campaigns. Relatively few places have high numbers of graduates or high

numbers of young people, which Labour wins by wide margins, but it is losing moderately educated and moderately young areas. The rise of second-dimension politics is not itself the core problem since popular support for welfare and redistribution has not changed over time. Instead, the same level of popular support does not translate as easily into a geographic

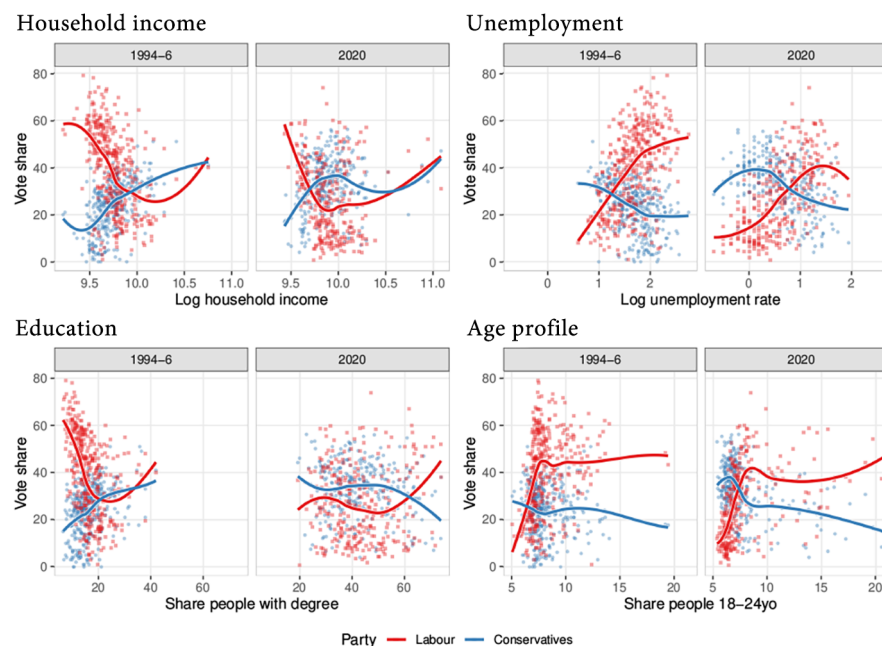


Figure 12. Party vote shares and socioeconomic characteristics across local authority districts. Dots represent local authorities. Lines show loess regressions. The 1994–96 period uses election results from 369 local authorities in England, Wales, and Scotland, mapped onto 2020 local authority boundaries. The 2020 period uses 2018 and 2019 election results for 293 local authorities in England. Household income is inflation adjusted.

majority because votes in favor of welfare and redistribution are, from the perspective of the left, inefficiently distributed across areas.

CONCLUSION

We have argued that the spatial clustering of voters by age and education shapes redistributive politics. When elections are held under majoritarian rule, this undermines the ability of left-wing parties to form redistributive coalitions. We provided evidence for our argument by measuring support for redistribution and deservingness across British local authorities, using MRP applied to historical survey data from the mid-1990s and an original representative survey from 2020. We showed that an area's average income and unemployment rate were highly predictive of social policy support in the mid-1990s; today, this is no longer the case. Instead, support for the welfare state has become concentrated in areas dominated by young and highly educated voters—mostly urban centers and university towns. Such socially liberal universalists have grown in number and are now the demographic core of support for welfare in the United Kingdom. Contemporary social policy preferences closely resemble patterns associated with so-called second-dimension issues like immigration and Brexit. The rise of political competition along this dimension, together with the spatial concentration of universalists, makes assembling a geographic coalition for redistribution and welfare more difficult than in the 1990s, even though aggregate support is virtually identical. Despite a similar number and majority of voters supporting such policies, it has become harder to secure a majority of places in favor of them.

We then linked these geographical dynamics to voting patterns and showed that, despite considerable change in the type of areas that support redistribution, the Labour and Conservative Parties continue to be pro- and anti-redistribution parties, respectively, in terms of the areas they represent. At the same time, the arrival of new “red wall” areas—that is, constituencies that historically tended to support the Labour Party—in the Conservative coalition has not led to the party representing places that demand greater redistribution, because those places are relatively old and low educated, meaning that they no longer form the geographical core of support for social policy.

Our findings have several implications for redistributive politics, the future of left-wing parties, and place-based socioeconomic policies. First, our article provides a new explanation for why majoritarian electoral systems make redistribution more difficult to achieve (see also Wiedemann 2024). While majoritarian democracies face increasing difficulties assembling geographic coalitions for redistribution due to the geographic concentration of universalists, countries with propor-

tional representation (PR) rules are less likely to be affected by these dynamics because political competition is less dependent on the spatial distribution of socioeconomic groups. Political conflict in majoritarian democracies tends to unfold along geographic lines, thus undermining traditional redistributive policies. Under PR, conflict tends to be structured along class lines, pitting highly educated and high-income groups against low-educated and low-income groups regardless of place. But if economic opportunities are more likely to cluster in urban compared to rural areas, PR electoral rules might amplify the voices of the urban coalition and implement pro-urban policies while neglecting rural interests. This could lead to further electoral backlash against urban elites.

Second, the patterns we uncover in this article may lead to a restructuring of political competition in majoritarian democracies such as the Canada, France, the United Kingdom, and the United States. In these countries, politics may become dominated by an urban coalition of high-skilled workers and low-income voters demanding conventional redistribution, opposing another coalition of rural and suburban voters preferring intraregional redistribution away from knowledge-economy centers (Ansell and Gingrich 2021; Beramendi 2012). Our findings provide clear evidence that such a realignment is plausible—or even under way already. This complicates the task of reducing regional inequalities through transfer-based redistributive policies because left-behind areas, many of which are also socially conservative, are not strongly supportive of government intervention through redistribution and welfare provision. Any politically sustainable project to improve such areas may require redistribution through place-based policies—for example, spending on local infrastructure or job creation as prominently discussed in British politics under the heading of “leveling up”—rather than via transfer-based welfare programs. The Tories have already adopted such policies as an electoral strategy, hoping to secure votes in former Labour Party strongholds.

Third, our findings suggest that researchers may need to consider preferences for redistribution and welfare separately from preferences over other forms of economic policy, which may be less tied to age and education. The same high-income, socially liberal voters who support welfare policies may not be as supportive of tax-and-spend issues that fit more conventionally onto the economic first dimension. This is not captured by our survey questions but is reflected in the changing nature of the welfare state over recent decades, with rising demand for social investment policies by well-educated middle-class voters (Gingrich and Häusermann 2015). Nonetheless, our findings—alongside recent work by Bornschier et al. (2021)—also call into question whether politics in some European democracies is becoming one-dimensional, pitting the universalist,

socially liberal middle classes against particularist, socially conservative voters whose views on redistribution and social issues increasingly align. Our article contributes to debates about the political viability of redistribution and welfare in this potentially more unidimensional environment.

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