

Data Fellowship Project 2022

The University of Manchester – Levelling Up

Organisation and Team

University of Manchester –
Policy@Manchester

Selection Method

Interview – On Campus/Remote

Application Criteria

Essential:

- An interest in public policy, using data to highlight and inform on the levelling up agenda
- A willingness in developing and applying statistical techniques using data analysis and data visualisation software

Desirable:

- Basic statistical understanding and experience in using statistical and data visualisation software (e.g. Python, R, Excel, Power BI, SPSS, Tableau).

Project Outline

The UK has geographical based disparities when compared to other developed countries on numerous measures such as, productivity, wage, educational attainment and health. Urban areas and coastal towns are disproportionately affected by crime, moreover places with high levels of deprivation, including former mining communities, outlying urban areas and seaside towns have the highest levels of community need and reduced opportunities for the people who grow up there. These differences are often larger within towns, counties or regions than between them and have persisted for much of the last century. Some of the UK's most successful cities account for the worst areas of deprivation whilst cities such as Birmingham, Manchester, Leeds, Glasgow and Cardiff fall behind other international comparators when it comes to productivity and wages.

In February 2022, the government published The Levelling Up White Paper, which sets out how the government will spread opportunity more equally across the UK. The next stages of this programme is to set out broad, deep and long-term aims to level up the UK, and is rooted in evidence indicating that a range of factors is needed to transform places and boost local growth. Such as, innovation, supporting private sector investment, better skills, better transport systems, and greater access to culture. Policy@Manchester hosts events and publishes analysis from The University of Manchester's leading economic, science, social, and policy experts via blogs and publications, along with their recommendations to support the levelling up agenda, including promoting local prosperity, jobs, resilience and equality.

Policy@Manchester address key issues in devolution, transport, health, and productivity. Policy@Manchesters 'Greater Manchester Policy Hub' also seeks to build a long-term bridge between our researchers and regional stakeholders so we can work together to resolve challenges and optimise opportunities within the region. Successful applicants for the internship will, with the support of the Policy@Manchester team, acquire an awareness and understanding on local and regional issues and will also obtain, analyse and present data identifying how the levelling up agenda can promote local prosperity, jobs, resilience and equality with a focus on health inequalities, productivity, sustainability and innovation. They will apply a combination of data scoping, data cleaning and processing, and data analysis methods, and present the data using appropriate data visualisation tools. The project will be undertaken using various statistical and data visualisation software (Python, R, Excel, Power BI, and Tableau).



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Practical Considerations

The work will be carried out in the John Owens building at the University of Manchester and/or Homeworking.

Support and Training

Training in statistical and data visualisation software.

Supporting Information