

## University of Manchester Q-Step Summer Project 2018:

### Ref: #18 UoMQStep UK Data Service Deprivation Measures

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**Organisation name:** UK Data Service

**Team/Department:** Aggregate Data

**Address:** Jisc, 6th Floor, Churchgate House, Oxford Street, Manchester, M1 6EU

**Provisional title for project:** Creating consistent Deprivation measures across the UK

#### Abstract:

We would like to take advantage of our new UK 2011 Census dataset, building on the work of last year's interns by producing a set of Carstairs deprivation scores on a range of geographies across the UK, the project would involve selecting the appropriate variables from the census and calculating the scores, then comparing these against published scores for parts of the UK where published. We would expect a report describing the methodology used to create the scores, analysis of the outputs and a tested R script.

*Data sources:* UK Censuses

**Key words:** Carstairs, deprivation, comparability, overcrowding, tenure, unemployment

#### Essential and desirable skills:

**Essential:** Excellent analytical skills. High level of technical expertise in using quantitative analytical programmes such as R. Strong problem solving skills. Good communication skills

**Desirable:** Experience of working with census datasets



**Where the work will be carried out:** Jisc Manchester Offices

**Preferred selection method:** Interview

**Support and training offered by the organisation:**

During the placement, the student will be assigned to the Technical Services Manager for the aggregate team as their line manager. The line manager will have weekly meetings with the student and will be responsible for setting and reviewing work objectives and ensuring that the student maximises the development opportunities available through the placement. For the duration of the placement, the student will be treated as a full member of the Aggregate data team and the team to which he/she is assigned.

**Supporting information:**

The student will be using aggregate data available through

<https://census.ukdataservice.ac.uk/get-data/aggregate-data>

Information on deprivation data <https://census.ukdataservice.ac.uk/get-data/related/deprivation>

**Financial assistance offered by the organisation:** None