University of Manchester Q-Step Summer Project 2018:

Ref: #25 UoMQStep 2018 General Medical Council Data Matching and Reporting

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Organisation name: General Medical Council

Team/Department: Education and Standards

Address: General Medical Council, Regents Place, 350 Euston Road, London NW1 3JN

Project title: Multiple-mini interview (MMI) data matching, loading and reporting on submitted data

Abstract: We have received MMI data from several medical schools that we would like to include in the UKMED Research database. This requires us to complete the following:

1. Load the data into ORACLE database staging tables
2. Using SQL scripts match the data to data held in UKMED to assign a correct PERSON_UID – this is either a correct HESA – HUSID[1] or a GMC number depending.[1] We have a set of scripts that can be modified to suit a new data source.
3. Determine the best data structure for the final tables and insert records into these tables
4. Using Tableau create a report to be included in our coverage tool that describes the data to researchers – which schools and years have data available and so on
5. Produce tables for the UKMED data dictionary

Data sources: UKMED data; Data submitted for the UKMED project.

Key words: Medical education, Databases, data matching and data linking

Essential and desirable skills:

Essential skills: methodical approach to work; some analysis skills gained via any package; knowledge of MS Office products.

Desirable skills: interest in learning some SQL, knowledge of databases.

Where the work will be carried out: GMC office in London

Preferred selection method: Interview in Manchester

Support and training offered by the organisation:

Induction to the project and support on using SQL (ORACLE), Tableau and SPSS.

Mandatory data protection training.

Supporting information:

Background on the UKMED project is available here: **https://www.ukmed.ac.uk/**

Financial assistance offered by the organisation: N/A