

Q-STEP SUMMER INTERNSHIPS 2021

UoM UK Data Service - Data Skills Modules: Creating online learning materials

Organisation and Team

University of Manchester: UK Data Service,
Cathie March Institute (CMI)

Humanities Bridgeford Street, University of
Manchester, Oxford Road, Manchester, M13 9PL.

Selection Method

Written CV & cover letter followed by an
interview

Application Criteria

Essential:

- Interest and experience of analysing survey data using statistical software such as SPSS, Stata, R or similar
- Good knowledge of basic survey analysis skills such as producing graphs, cross-tabulation and correlation
- Willingness to learn a new data analysis tool (such as SPSS, Stata, R or similar)
- Interest in creating online learning materials about data skills

Desirable:

- Good written and presentation skills

Key Words

Data Analysis, Data Skills, SPSS, R, Training, Online materials, UK Data Service, Survey methods, Videos

Project Outline

The UK Data Service provides access to a range of data including survey data. The data service also provides training resources to upskill users of the data it holds.

Our Data Skills Modules are interactive, online training materials that introduce data skills for using survey, longitudinal and aggregate data. These modules contain a mixture of text, videos, quizzes and activities and are aimed at anyone who wants to learn data skills. We plan to release updates to these modules and a new module about exploring crime surveys using R this spring, and to start developing three new modules over the coming months.

This project involves working with the Data Skills Modules team to plan and create training materials for one of the new modules - topics to be decided. The new modules may explore a theme (e.g. Employment, COVID19, Housing, etc.) using survey data in SPSS, Stata, R or another statistical tool, or extend the existing modules to cover further analyses (e.g. correlation, linear regression). The materials created will be a mix of text, videos, quizzes and activities.

There is the potential for 2 students to work together on a module under the guidance of UK Data Service staff.

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Practical Considerations

Remote working

8 week internship

Support and Training

Assistance in using a survey analysis language if required, or in consolidating existing knowledge in a programming language.

Issues of Data Confidentiality / IPR

No.