

University of Manchester Q-Step Summer Project 2019

Ref: #20 UoMQStep 2019 DfID Syria – Visualising Humanitarian Data

For enquires, contact Dr Martin Prowse, martin.prowse@manchester.ac.uk (Lecturer) or the Q-Step general email – g-step@manchester.ac.uk

Organisation Name: Department for International Development

Team/Department: Middle East and North Africa Department - Syria Team

Address: Abercrombie House, Eaglesham Road, East Kilbride, Glasgow, G75 8EA / 22 Whitehall, London, SW1A 2EG

Provisional title for project: Visualising Humanitarian Data

The Syria Team collect data on humanitarian aid on a quarterly basis for the whole of Syria, disaggregating it by age, sex, disability and geography. We want to bring this data to life through visualisations, including mapping the locations of DFID's aid along with other contextual information. The project involves exploring the capabilities of two data visualisation packages (QGIS and Power BI) to achieve this aim. A secondary aim (time permitting) will be to use one of these packages to produce an interactive dashboard for the dataset, allowing users to focus the visualisation on the data most important to them.

Key words (up to 12): Visualisation, Interactive, Results, Syria, Middle East, Government.

Essential and desirable skills that the student would need to have:

Essential:

- Ability to work autonomously;
- Strong analytical skills;
- The intern must be reliable and responsible as they will be dealing with sensitive data.

Desirable:

- Experience using data visualisation software;
- Experience working with large datasets;
- Interest in the international development and humanitarian sector;
- Ability to be innovative and “think outside the box”.

Where the work would be carried out: The project will be undertaken in a DFID office; ideally in our East Kilbride office (situated an easy train journey away from Glasgow), or in our London office if this is not possible.

Preferred selection method (interview or other method): Interview

Interview preference (on campus, remote, in your office): Ideally remote, but on campus may be possible.

Support and training offered by the organisation: The intern will be supervised by Emma Haigh, Senior Results Adviser in the Syria Team. She will be on-hand to support the intern on a day-to-day basis, offering assistance with any issues and giving an in-depth introduction to the results database. Training will also be given on the various data visualisation packages to be used.

Any issues of data confidentiality and/or IPR that would need to be resolved:

The intern will need to get the **appropriate governmental security clearance and pass a criminality check** in order to work in the DFID offices and work with sensitive data. The costs of this will be covered by DFID.

Supporting information:

- Department for International Development website:
<https://www.gov.uk/government/organisations/departement-for-international-development>

Financial assistance offered by the organisation: None