



<b>Company / Organisation Name:</b>	Barbour ABI
<b>Team / Department:</b>	Economics
<b>Address:</b>	Hinderton Point, Lloyd Drive, Ellesmere Port CH65 9HQ

**Provisional title for project:**

Understanding the disparities in infrastructure & public investment across Great Britain and how and where to build back better

**Short description of the problem that would be addressed by the project:**

The project has 3 parts:

1. Analysing the disparity in historical infrastructure & public sector investment across GB regions & construction sectors using Barbour ABI project data. Which regions have been favoured with more investment? Are there particular differences in healthcare, education, transport and utilities? How does that overlay onto the Indices of Multiple Deprivation?
2. Studying the known future construction pipeline (using Barbour ABI data) to assess whether disparities are being addressed
3. Quantifying the scale of change required to level up the under-funded areas and predicting what would a levelled-up GB would look like.

**Short description of the data sources that would be used in the project, and how they would be used**

Barbour ABI project data: the most comprehensive project level planning and construction database, used by the ONS & the government, around £160bn construction projects each year.

Publicly available datasets on infrastructure & public sector investment from ONS & gov.uk. These may include new Construction Orders, Index of Multiple Deprivation, CDRC Datasets such as ethnicity proportions etc.

**Would any work by the student need to be carried out on site at the Company with the exception of supervisory meetings?**

No

**Any issues of data confidentiality and IPR that would need to be resolved**

No

**Essential skills**

Quantitative analysis, research

**Desirable skills**

Geo-spatial analysis

**Preferred degree programmes (if any)**

**Preferred selection method**

**Support and training offered by the company**

Support from Chief Economist, Chief Analyst, Geographic Data Scientist

**Financial assistance offered by the company**

The organisation will pay the honorarium (£500)

**Any other comments**

For details on how to apply, please visit:

[www.cdrc.ac.uk/education-and-training/masters-dissertation-scheme/](http://www.cdrc.ac.uk/education-and-training/masters-dissertation-scheme/)