



Company / Organisation Name:	The Data City
Team / Department:	Data Analysis
Address:	3rd Floor, Munro House, Duke Street, Leeds LS9 8AG

Provisional title for project:

Verifying UK Company Structure through Shareholder and Persons with Significant Control (PSC) Analysis

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

In the UK, Companies House represents all registered business entities. This is valuable open data for economic analysis. The Data City have a unique platform which classifies companies into Real Time Industry Classifications (RTICs) overcoming the limitation of Standard Industrial Classifications (SICs). As we use our data for economic analysis, we want to understand the group structure of each company. For each company on Companies House, we can deduce group structure using both shareholder information and Persons with Significant Control (PSC). We require the student to process this data to help us gain a better understanding of UK Company Structure.

OpenOwnership have processed a lot of the data for use in the public domain. Visible here:

<https://register.openownership.org/download>

We want to verify our preliminary approach vs theirs so we have a better understanding of the data. We may want to use their data as the input source too. Once we have a clear methodology for group structure, the student will support on a "consolidation by group structure" methodology. For each company, we want to identify a single entity to represent the group. Other data fields will help support this choice such as registered postcode, first word in company name etc.

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

Companies House (identify all entities and create a lookup), OpenOwnership.

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

Python or R, problem solving, logical thinking.

Desirable skills

None

Preferred degree programmes (if any)

Preferred selection method

Interview

Support and training offered by the company

Laptop + Mentor

Financial assistance offered by the company

The organisation will pay the honorarium (£500)

Any other comments

None

If there are any questions about the 2023 programme, please contact Richard Arnold at richard.arnold@ucl.ac.uk