



Masters Dissertation Scheme Project form



Company / Organisation Name:	Liverpool City Region Combined Authority
Team / Department:	Pipeline Development / Investment & Delivery Directorate
Address:	1 Mann Island, Liverpool, L3 1BP

Provisional title for project:

Using road safety data to target future investment in transport interventions

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

There are alarming recent trends being shown in road safety data for the Liverpool City Region, with an increase in the numbers of people killed or seriously injured (KSI) on our roads over the course of the last 5 years.

In October 2022, the Liverpool City Region Combined Authority (LCRCA) published a Vision Zero Strategy, outlining an aim to reduce the number of those killed and seriously injured on Merseyside's roads, working towards an overall Vision Zero target that aims to ensure that by 2040 there are no avoidable collisions on the region's roads.

LCRCA is also currently in the process of working with partners to develop future transport schemes across the Liverpool City Region that will put Vision Zero at the heart. This is likely to be a major consideration for specific highways interventions within the LCR City Region Sustainable Transport Settlements Programme (CRSTS) that is currently being developed for 2027-2032.

The analysis of road safety data provides us with the opportunity to identify trends in KSIs and target efforts for future transport schemes in the areas where they are needed most and will help to design out the greatest possible of collisions by 2040.

National road safety data (STATS19) would be used for the analysis, which may be complemented by datasets provided by local stakeholders.

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

STATS19 data

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

No – work could be carried out remotely

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

No

Essential skills

Data science, data analysis, GIS

Desirable skills

Preferred degree programmes (if any)

Not specified but preference would be for data science, GIS or planning

Preferred selection method

Interview

Support and training offered by the company

One to one support and access to wider team within the LCRCA. Opportunity to work from LCRCA premises if required.

Financial assistance offered by the company

£500 upon completion

Any other comments

If there are any questions about the 2024 programme, please contact Richard Arnold at richard.arnold@ucl.ac.uk. The completed form should also be returned to this address.