

Q-STEP SUMMER INTERNSHIPS 2021

Transport for London - Evaluating and quantifying the impact of recent TfL measures* on numbers of slip/trip/fall incidents on buses

Organisation and Team

Transport for London: Safety, Health and Environment, Data & Analytics

Palestra, 197 Blackfriars Rd, London, SE1 8NJ

Selection Method

Written CV & cover letter followed by an interview

Project Outline

The measures will include Gimme5 scheme, Acoustic Vehicle Alerting System (AVAS), Mobileye collision avoidance and Speed Compliance Tool

Support and Training

- Introduction to relevant datasets and systems
- Access to internal training resources
- Support with engaging with relevant contacts across the team and TfL
- Day to day support

Application Criteria

Essential:

- Excel
- Statistics (predictive analysis, correlation analysis)
- Data Visualisation
- Ability to work with complex datasets
- Ability to conduct exploratory data analysis and to draw out insight
- Ability to summarise analysis succinctly (written and verbal)

Desirable:

- Python
- R
- PowerBI

Practical Considerations

Remote working or (if the CV19 restrictions are lifted) Palestra in London

Issues of Data Confidentiality / IPR

The student will be personally required to sign and abide by the terms of our Personal Confidentiality Agreement and complete and pass a number of mandatory training courses related to data safeguarding / privacy.

Access will be provided (either physically or remotely) to TfL systems which the student will need to use exclusively for the duration of the project.

IPR: As per clause 3 of the confidentiality agreement: "The Confidential Information and all related documents are proprietary materials and their disclosure shall not confer on You any intellectual property or other rights in relation to the Confidential Information".

Keywords

Safety, KSIs, Public Transport, Incidents, Customer Injuries, Workforce Injuries, London, Buses, Slip/Trip/Falls