



UNIVERSITY OF LEEDS

CANDIDATE BRIEF

Research Fellow in Travel Behaviour Analysis, Institute for Transport Studies



Salary: Grade 7 (£35,333 – £42,155 p.a.)

Reference:ENVTR1175

Fixed-term until 31 December 2023 – due to maternity cover

We are open to discussing flexible working arrangements

Research Fellow in Travel Behaviour Analysis Institute for Transport Studies, Faculty of Environment

Do you want to further your career by applying your quantitative data analysis skills as part of a leading research group on transport and energy at the world-renowned Institute for Transport Studies? If so, this could be the opportunity for you.

This post-doctoral position will undertake focused analysis of data collected in a 5-wave panel survey of travel behaviour during and since the Covid pandemic. The Transport and Travel Adaptation Study ([TRANSAS](#)) is the only longitudinal panel study of its kind in the UK and the role will take on responsibility for statistical analysis of the data and writing up of the results. The analysis will involve statistical techniques such as regression and structural equation modelling to capture dynamic changes in behaviours such as car use, public transport use, car ownership and working from home, and the factors underlying these changes. The candidate will have proved quantitative data analysis skills and be able to use different weighting.

The Research project is affiliated to the Centre for Research into Energy Demand Solutions ([CREDS](#)).

What does the role entail?

As a Research Fellow, your main duties will include:

- Undertaking descriptive, multivariate and longitudinal data analysis on the TRANSAS data to quantify and understand various changes in travel, working and shopping patterns over time;
- Using creativity to plan and prioritise the analysis and interpret the results in order to draw conclusions, including salient, realistic and practical conclusions on policy and methodology;
- Evaluating methods and techniques used and results obtained by other researchers and to relate such evaluations appropriately to your own work;
- Preparing papers for publication in leading international journals and disseminating research results through other recognised forms of output;
- Working both independently and also as part of a larger team of researchers, engaging in knowledge-transfer activities where appropriate and feasible;



- Developing research objectives and proposals and contributing to setting the direction of the research project and team including preparing proposals for funding in collaboration with colleagues;
- Maintaining your own continuing professional development and acting as a mentor to less experienced colleagues as appropriate;
- Contributing to the training of both undergraduate and postgraduate students, including assisting with the supervision of projects in areas relevant to the project.

These duties provide a framework for the role and should not be regarded as a definitive list. Other reasonable duties may be required consistent with the grade of the post.

What will you bring to the role?

As a Research Fellow, you will have:

- A PhD or near completion - i.e. the initial thesis needs to have been handed in at the point of application in transport, energy or a discipline demonstrating skills in quantitative social science and applied statistical analysis from another domain of study;
- A track record of innovative quantitative analysis of data sets which demonstrates an understanding of appropriate fundamental and applied statistical knowledge, methodologies and computational tools;
- Experience of analysis of longitudinal data to investigate changes in behaviour over time;
- Excellent communication skills, including presentation skills, evidenced by contributions to international conferences and/or meetings;
- A demonstrable commitment to using own initiative to characterise research problems and identify appropriate data and analysis techniques to tackle them;
- Good time management and planning skills, with the ability to meet tight deadlines, manage competing demands and work effectively under pressure without close support;
- A proven ability to work well both individually and in a team;
- A strong commitment to your own continuous professional development.

You may also have:



- A proven track record of peer-reviewed publications in high impact factor journals;
- Knowledge and understanding of mobility behaviour and transport, energy and climate change policy;
- Experience of engaging extensively with key stakeholders.

How to apply

You can apply for this role online; more guidance can be found on our [How to Apply](#) information page. Applications should be submitted by **23.59** (UK time) on the advertised closing date.

Please note: If you are not a British or Irish citizen, from 1 January 2021 you will require permission to work in the UK. This will normally be in the form of a visa but, if you are an EEA/Swiss citizen and resident in the UK before 31 December 2020, this may be your passport or status under the EU Settlement Scheme.

Contact information

To explore the post further or for any queries you may have, please contact:

[Professor Jillian Anable](#)

Tel: +44 (0)7930 330155

Email: J.L.Anable@leeds.ac.uk

Additional information

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Find out more about the [Centre for Research into Energy Demand](#)

Find out more about the [Institute for Transport Studies](#).

Find out more about the [Faculty of Environment](#).



Find out more about our [Research and associated facilities](#).

Find out more about [equality](#) in the Faculty.

A diverse workforce

As an international research-intensive university, we welcome students and staff from all walks of life and from across the world. We foster an inclusive environment where all can flourish and prosper, and we are proud of our strong commitment to student education. Within the Faculty of Environment we are dedicated to diversifying our community and we welcome the unique contributions that individuals can bring, and particularly encourage applications from, but not limited to Black, Asian and ethnically diverse people; people who identify as LGBT+; and people with disabilities. Candidates will always be selected based on merit and ability.

The Faculty of Environment has received a prestigious Athena SWAN silver award from [Advance HE](#), the national body that promotes equality in the higher education sector. This award represents the combined efforts of all schools in the Faculty and shows the positive actions we have taken to ensure that our policies, processes and ethos all promote an equal and inclusive environment for work and study.

Working at Leeds

We are a campus based community and regular interaction with campus is an expectation of all roles in line with academic and service needs and the requirements of the role. We are also open to discussing flexible working arrangements. To find out more about the benefits of working at the University and what it is like to live and work in the Leeds area visit our [Working at Leeds](#) information page.

Candidates with disabilities

Information for candidates with disabilities, impairments or health conditions, including requesting alternative formats, can be found on our [Accessibility](#) information page or by getting in touch with us at disclosure@leeds.ac.uk.



Criminal record information

Rehabilitation of Offenders Act 1974

A criminal record check is not required for this position, however, all applicants will be required to declare if they have any 'unspent' criminal offences, including those pending.

Any offer of appointment will be, in accordance with our Criminal Records policy. You can find out more about required checks and declarations in our [Criminal Records information](#).

