

Senior Research Analyst

Salary c.£35,000, negotiable depending on experience

About the role

Reporting to the Head of Research, you will work on the development, analysis, and delivery of research and evaluation initiatives to support and evidence EngineeringUK's annual flagship publication and educational programmes.

A key part of this role will involve undertaking in-depth analysis of large-scale datasets, and distilling the findings in a meaningful way to shape and evidence the direction of EngineeringUK's work.

You will also provide methodological input into EngineeringUK's national surveys of young people, teachers, and parents, and co-author the organisation's flagship annual report, *The State of Engineering*, an authoritative reference document widely used by government, educators, and industry.

The role will be based at the EngineeringUK offices in Woolgate Exchange, London.

Role responsibilities

- To lead on secondary analysis of large-scale datasets, analysing and interpreting statistical data gathered on the engineering sector and our educational interventions with young people
- To analyse and report on engagement and school-level outcomes over time using EngineeringUK's Schools Database, working closely with the Data Insight Analyst to do so
- To advise and develop appropriate methodological approaches for EngineeringUK's research and evaluation projects, in consultation with the Head of Research. This will include inputting on the design and delivery of national surveys of a longitudinal nature
- To undertake literature reviews of existing information concerning the engineering sector, and to draw from this evidence to draft chapters of the EngineeringUK annual report
- To support the development of research communications and an annual programme of research and evaluation projects
- To manage a range of complex projects independently in a deadline driven environment
- To assess research requirements and prepare data specifications/tender documents for externally commissioned projects
- To prepare briefings and present research findings to EngineeringUK colleagues and the engineering sector
- To enforce research ethics, data storage and data management protocol, ensuring that research is conducted in line with relevant policies, codes and applicable legislation
- To respond to research and data-related queries from the engineering sector and internal colleagues
- To keep up-to-date with developments in education and/or STEM-related policy and available data, as well as quantitative research methods

Person specification

Educational requirements

- A first degree or equivalent evidence of analytical and problem-solving ability
- A qualification and/or in work training in the application of quantitative research methods or similar

Essential experience and attributes

- An interest in researching social issues, preferably in education
- A strong background in quantitative research, including survey methods
- Excellent statistical skills, with experience analysing large-scale datasets using inferential techniques (e.g. regression and multivariate analysis, propensity score matching)
- Experience in undertaking literature searches and reviews, identifying relevant evidence, appraising its quality, and summarising the body of existing work
- Excellent written and verbal communication skills, with experience producing research reports and presenting findings to a range of audiences
- Strong time management skills, with experience working on multiple research projects at once, adapting to changing priorities, and meeting hard deadlines
- Ability to work independently and prioritise own tasks and time, but also take direction, be flexible and work collaboratively with others, contributing to team decisions and facilitating cross-organisational working
- Excellent IT skills and adept working in Excel, SPSS and STATA (or equivalent statistical analysis software)

Desirable experiences and attributes

- Experience in monitoring and evaluating the impact of educational interventions
- Experience analysing national survey data of a longitudinal nature
- Experience working on research projects from conception, developing appropriate methodologies and corresponding primary research instruments for social research
- Experience in engaging with stakeholders, fostering collaboration with external partners on shared objectives and involving users in the development of research
- An understanding of the science and engineering community – including data providers such as UCAS, HEFCE, DfE, ONS, Working Futures, etc.

Applying for this role

Please send a CV and statement in support your application (detailing how you fulfil the key criteria for the role) by email to HR@engineeringuk.com, quoting the job title in the subject of your email.

Your personal statement should include a short paragraph on each of the criteria listed in the Person Specification to show why you would be a suitable candidate for this role.

The deadline for applications is 26 May, 12 noon.

Interviews

Applications will be assessed against the requirements for the post as set out in the Role Profile and Person Specification. We aim to notify candidates who have been shortlisted by 31 May. If you have not heard from us by this date, please assume that you have not been successful.

First interviews will be held on the 7 and 8 June 2017.