

**Job Description**  
**Senior Research Associate**  
**Vacancy Ref: A3249**

<b>Job Title: Senior Research Associate</b>	<b>Grade: 7P</b>
<b>Department/College:</b> Department of Mathematics and Statistics	
<b>Directly Responsible To:</b> Professor Idris Eckley	
<b>Supervisory Responsibility For:</b> N/A	
<p><b><u>Other contacts</u></b>  <b>Internal:</b> Other project investigators; Senior Research Associates/ Research Associates in the project; Staff and Students at the University; colleagues in Department of Mathematics &amp; Statistics.   <b>External:</b> Members of the grant’s broader research community including industrial collaborators, external research collaborators and representatives from the End Use Energy Demand Centre, Oxford.</p>	
<p><b><u>Major Activities:</u></b></p> <p>To conduct research, write publications and present at conferences. The role carries responsibility for ensuring that research activities are in line with project objectives, and has autonomy to ensure that objectives are met.</p> <ul style="list-style-type: none"> <li>• Supporting and undertaking research necessary to achieve Lancaster University’s aims within the project. More specifically, to assist with the key goal of understanding the potential transformative impact of statistical and machine learning methods over fine-grained energy data to improve energy savings and help organizations respond to the net-zero challenge.</li> <li>• Working effectively in a cross-disciplinary team to achieve the above goal, and seek methodological innovations to support cross-disciplinary breakthroughs in this area.</li> <li>• To publish in leading statistical journals and, where appropriate, to contribute to publications in these journals jointly with other members of the project.</li> <li>• To attend all project meetings, including the development of progress reports describing and reflecting on the results of the project.</li> <li>• To attend meetings, workshops and conferences in the UK and abroad, presenting research results and networking.</li> <li>• To develop code that implements the methods developed in a way which supports reproducible research practice.</li> <li>• To support the Investigators as appropriate in developing the broader collaborative relationship with external partners.</li> <li>• Any other duties as may be requested by the Investigators, provided that these are appropriate to the grade of the post.</li> </ul>	