

Job Title: Price Optimisation Data Analyst - Knowledge Transfer Partnership (KTP) Associate

Salary: £28,000 to £36,000 per annum

Department: School of Business

Hours/Contract: Full time, fixed term contract for 2 years

Job Reference: 447

Role Purpose

To carry out a Knowledge Transfer Partnership (KTP) which aims to develop a Profit Optimisation Tool which will use complex dynamic pricing algorithms, machine learning & AI techniques to enable independent convenience retailers to optimise their pricing and profit strategies.

The post-holder will be under the direction of supervisors from the University of Leicester and The Retail Data Partnership Ltd.

Principal Responsibilities	% Time
<ul style="list-style-type: none"> • Implementation of a key, strategic project within The Retail Data Partnership Ltd (with support from academic and company supervisors), ensuring that all defined targets and outputs are met within the timeframe. 	10
<ul style="list-style-type: none"> • Development of dynamic pricing algorithms, software integration, development and field-testing of prototype, commercialisation activities. 	70
<ul style="list-style-type: none"> • Transfer of knowledge between the University of Leicester and The Retail Data Partnership Ltd. 	5
<ul style="list-style-type: none"> • Engagement with company employees to ensure that the knowledge transferred is properly embedded and exploited. 	5
<ul style="list-style-type: none"> • Preparation and presentation of progress reports at project team meetings. 	10
Internal and External Relationships	
<p>The post is based at the premises of The Retail Data Partnership Ltd in Stamford, Lincolnshire.</p> <p>The post-holder will be directly supervised by a Company Supervisor on a daily basis and will also receive mentoring from an Academic Supervisor as required by the post.</p> <p>The post-holder will be responsible for ensuring that appropriate information exchange is maintained between the company and academic partner.</p>	
Planning and Organising	
<p>The post-holder will be working to a work plan as defined in the grant application proposal with specific tasks and outputs. However, the post-holder will be required to complete a more detailed</p>	





action plan (e.g.: including a Gantt or Critical Path Network, and risk assessment, for the entire project and a detailed task list for all project stages).

The post-holder will be expected to organise meetings, report expenditure and prepare reports including a project final report and a commercialisation plan.

Qualifications, Knowledge and Experience

Essential

- Degree qualification in Mathematics or Computer Science or a related discipline with a focus on data science, machine learning, data analysis, algorithm development, data mining*
- Knowledge of machine learning techniques, supervised, and unsupervised learning techniques, dimensionality reduction etc. (e.g. classification techniques such as decision trees, random forest, gradient boosting; clustering techniques such as k-means, hierarchical clustering)*
- Experience using one or more of the following software packages: Python, R, Matlab, Java, SQL*

Desirable

- Prior experience of successful independent or supervised research.
- Experience of dealing with senior staff in academia and industry.

Skills, Abilities and Competencies

Essential

- Strong self-motivation and interest in the subject area.
- Excellent team-working skills and the ability to liaise and collaborate with a wide range of people.
- Excellent problem solving skills.
- Ability to communicate precisely and engagingly to different audiences both in writing and verbally.
- Ability to work to a deadline.
- Willingness to take ownership of the project in all respects, including financial management, staff training, development of the commercial business case and full project leadership, encompassing management of resources and timing

Desirable

- Project management and business acumen.
- Ability to work within a diverse development team comprising of academics and industrial partners and the wherewithal to impart new knowledge to the company team, embedding it through paired working, training and relevant 'how to' documents.
- Customer liaison skills.

****Criteria to be used in shortlisting candidates for interview***





VITAL

The University encourages all staff to live our [VITAL values](#) which are:
Valuing People, Innovators, Together, Accountable, Leaders.

Equality and Diversity

We believe that equality, diversity and inclusion is integral to a successful modern workplace. By developing and implementing policies and systems that challenge stereotypes across all aspects of our work, we have a culture that recognises and values the diverse contributions of our staff which benefits everyone. Our strong values of inclusivity and equality support our efforts to attract a diverse range of high quality staff and students, and identify our University as a progressive and innovative workplace that mainstreams equality, diversity and inclusion.

