

Role Profile

Role Title	Researcher/Data Modeller
Role (Job) ID	NPSTS34
Directorate	Standards and Strategy
Reports to	Research & Innovation Manager
Role type	<input checked="" type="checkbox"/> Permanent <input type="checkbox"/> Fixed Term <input type="checkbox"/> Secondment <input type="checkbox"/> Contract
Line Manager responsibilities (Yes/No)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Level	15
Location	2 Thomas More Street, London. Reasonable travel.
Organisational Context	<p>Pay.UK maintains and develops the UK retail payment systems and standards that are core to the economy being able to function on a day-to-day basis.</p> <p>From Bacs to Faster Payments and cheques – we act as the single operator for all UK retail payments. We put the needs of consumers and businesses at the heart of everything we do, working in the public interest to ensure that the systems the country relies on for its banking transactions are safe, open, innovative and resilient.</p> <p>Our payment systems underpin the services that enable funds to be transferred between people and institutions. In 2018, the UK’s retail payment systems processed 8.8 billion transactions worth £7 trillion through Bacs Direct Credit, Direct Debit, Faster Payments, and cheques.</p> <p>Every day, individuals and businesses use the services we provide to get their salaries, pay their bills and make online and mobile banking payments. Our vision for the future is to enable a vibrant economy, with Pay.UK delivering the best-in-class payment infrastructure and standards for the benefit of consumers and businesses nationwide.</p>

This document is intended to describe Pay.UK’s current thinking as to its subject matter. Please note in particular that the information contained in it is subject to change as new information comes to light and ideas are developed – without limitation, this may involve new or amended principles or the addition of detail; consistent with the above, it is issued for discussion purposes only and does not reflect any firm or final decision; to the extent that any decision is taken in relation to the subject-matter of this document, it will be communicated in accordance with Pay.UK’s policies and regulatory requirements but note that by subsequent decision, it may be amended; it does not give rise to any legal rights or obligations.

	<p><u>Directorate:</u></p> <p>Actively engage with the wider payments ecosystem to take to market Pay.UK services. Develop and apply a commercial approach to marketing and providing Pay.UK’s services and propositions to the market. Support the development of end-to-end service propositions that can be delivered by the market and considers all stakeholder needs.</p> <p>Foster innovative development through the provision of collaboration environments. Manage the ecosystem innovation strategy and policies to foster a community who collaborate and drive innovative ideas and solutions for the payment ecosystem. Manage the development of strategic insight and research to support the payment ecosystem end to end.</p> <p>Own, monitor and actively manage the end to end payments ecosystem and drive the strategic objectives of the market while considering requirements and impacts across all stakeholders in the end-to-end value chain.</p> <p>Design and manage Pay.UK enterprise architecture for each component owned and/or actively managed by Pay.UK including its integration with the NPA. Manage design changes across Pay.UK.</p> <p>Manage the technical and business rules and standards that govern the NPA and the services that are delivered within the ecosystem. Co-ordinate and govern rules and standards changes ensuring stakeholder engagement and consensus in a transparent manner.</p>
Summary of Role	<ul style="list-style-type: none"> • To analyse and contribute to Pay.UK’s comprehensive suite of research, data driven evidence base used to aid strategy, product development, market understanding, market- focussed innovations and consumer facing products, services and payment infrastructure • To use data modelling techniques to analyse market scenarios • To test and validate impact of macro and micro events on the UK payment landscape using purpose-built models • Principally this role will focus on data & analytical modelling and market research and analysis; and so a wider understanding of quantitative research and modelling techniques and familiarity with modelling environments, together with a comprehensive understanding of the payments sector is desirable.

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Commitment and time period	<input checked="" type="checkbox"/> Full time <input type="checkbox"/> Part time	100 FTE (%)
	Time period: -	
Internal & External Interactions	<ul style="list-style-type: none"> • External: Research agencies, other Payment and Financial Services Authorities, Modelling and Simulation consultancies, End User groups and Advisory Council, Participants Advisory Council • Internal: All Pay.Uk Service lines, NPA and various business functions 	
Accountabilities	<ul style="list-style-type: none"> ○ Contribute to the on-going development and refinement of market, economic and financial models. ○ Quantification of complex concepts, and relevant changes in local as well as global market, through the use of data science and data modelling. ○ Identifying the right sources of data, to procure and conduct data analysis to input into the models for complex scenario analysis ○ Articulating “what-if” scenarios and running those using models, on a regular basis. ○ Actively reviewing market movements as well as industry research for insight on market dynamics, evolution of infrastructure and changes in payments sector ○ Work extensively with data from primary and secondary data sources to derive insights and inputs for strategic discussions. ○ Identify, analyse and interpret patterns in large, complex and layered datasets. ○ Preparation and presentation of reports summarising findings from above activities for key stakeholders – both internal and external ○ As part of the Research and Innovation team at Pay.UK, work with other departments to support research projects across the organization ○ Undertake and complete research and modelling tasks as needed, for different Pay.UK departments and/or to inform Pay.UK strategy 	

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Knowledge and Experience	<ul style="list-style-type: none"> • Knowledge of a computer programming language or statistical software package (i.e. SPSS, SAS, R)
Specific Skills	<ul style="list-style-type: none"> • Experience in/knowledge of Agent Based Modelling, Discrete Event Modelling and/or System Dynamics modelling • Experience in and knowledge of data modelling environments (AnyLogic preferred) • Experience completing analysis of and drawing insights from large, complex datasets • Experience in applying quantitative methods to business strategy
Qualifications and Training	<ul style="list-style-type: none"> • Education – Degree in Economics, Mathematics, or related discipline
Competencies	<ul style="list-style-type: none"> • In alignment with Pay.UK competency framework

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Confirmation

I confirm my understanding and my agreement to the above job description.

Signed: _____

Date: _____



Version Control

Document Owner	Standards & Strategy Directorate			
Version number	0.2			
Governance	Draft: BE	Review:	Approve: KF/PH	Approval Date:
Review Frequency		Next review date:		
Document reference				

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