

# Role Profile

## Part A - Grade & Structure Information

<b>Job Family Code</b>	<b>10BF</b>	<b>Role Title</b>	<b>Data Scientist</b>
<b>Grade</b>	PS10	<b>Reports to (role title)</b>	<b>Assistant Director - Insights</b>
		<b>Directorate/School</b>	<b>Public Service Reform</b>
<b>JE Band</b>	371-438	<b>Service/Department</b>	<b>Analytics and Insights</b>
		<b>Date Role Profile was created</b>	<b>Aug-23</b>

## Part B - Job Family Description

The below profile describes the general nature of work performed at this level as set out in the job family. It is not intended to be a detailed list of all duties and responsibilities which may be required. The role will be further defined by annual objectives, which will be developed with the role holder. The Council reserves the right to review and amend the job families on a regular basis.

<b>Role Purpose</b> including key outputs	<p>Lead a portfolio of data science projects, identifying business areas - in line with organisational-wide priorities - that could benefit from the application of data science techniques</p> <p>Provide high-quality, reliable, thoughtful and insightful quantitative and qualitative analysis of significant issues and proposals that enable, for example, measurable service and/or outcome improvement, cost reductions, or to inform the design of early intervention and preventative action</p> <p>Proactively identify opportunities for exploratory data analysis on the council's and partners' data and execute this analysis, presenting findings in an easy to understand and compelling way</p>
<b>Work Context</b>	<p>Surrey County Council is in a period of unprecedented change and this role will be an important part of the ongoing transformation. The Insight, Analytics and Intelligence service lies at the heart of the council's decision-making, and the postholder will need to work collaboratively with internal and external stakeholders to drive continuous improvement and innovative thinking in a fast-paced environment.</p> <p>Whilst the primary base for the postholder will be in County Hall, Kingston, the work assigned could involve working from any of our sites across the county and so ability to travel is a requirement of the role.</p>
<b>Line management responsibility</b> if applicable	May line manage an apprentice
<b>Budget responsibility</b> if applicable	None

**Representative Accountabilities**  
Typical accountabilities in roles at this level in this job family

**Analysis, Reporting & Documentation**

- Assess or conduct analysis, presenting results and putting forward recommendations on managing more complex situations to support decision making.
- Analyse and make recommendations for improvement or development of existing systems, processes or policy.

**Service Delivery**

- Maintain, develop and review systems, processes, procedures and working methods to maximise service delivery, quality, efficiency and compliance.
- Provide specialist/professional advice and recommendations within defined policy/strategy and procedures to support informed decision making.

**Planning & Organising**

- Plan workloads and secure resources to enable the team/s to achieve a quality service.
- Lead projects and reviews within a defined area of work as directed by manager to support and enhance service delivery.

**Finance/Resource Management**

- May assist with budget/resource/funding management in accordance with the organisation's policies and procedures.
- May have delegated responsibility for a budget(s).

**Work with others**

- Liaise, communicate and build relationships with other internal departments, customers, partner organisations, agencies and/or contractors to support and represent the team/service.

**People Management**

- May manage a team operating in a well defined specialist area or oversee the delivery of a range of support services to a service or function.
- Monitor and support the performance management and development of team members to ensure that individual contributions are maximised.

**And/Or**

- Operate as an individual responsible for the delivery of a high level and complex service.

**Duties for all**

**Values:** To uphold the values and behaviours of the organisation.

**Equality & Diversity:** To work inclusively, with a diverse range of stakeholders and promote equality of opportunity.

**Health, Safety & Welfare:** To be responsible for ensuring health & safety policies, procedures and legislation are implemented, communicated and managed including making sure that health and safety responsibilities are fully understood and carried out by employees within their service area.

To have regard to and comply with safeguarding policy and procedure as appropriate.

<b>Education, Knowledge, Skills &amp; Abilities, Experience and Personal Characteristics</b>	<ul style="list-style-type: none"> <li>• Degree qualified, or significant vocational experience demonstrating development through involvement in a series of progressively more demanding relevant work/roles.</li> <li>• Professional qualification, or able to evidence knowledge and understanding of appropriate business disciplines.</li> <li>• Comprehensive knowledge of computerised business systems in terms of functionality and capability (some roles).</li> <li>• Knowledge of principles, practices, policies and procedures relating to business planning and financial and organisational management.</li> <li>• Proven written and oral communication and interpersonal skills with good negotiation and influencing skills and the ability to work collaboratively with internal and external partners/professionals.</li> <li>• Ability to understand, meet and exceed customer expectations.</li> <li>• Proven problem solving skills, and the ability to exercise high levels of initiative to devise and implement workable solutions.</li> <li>• Proven ability to manage a range of projects through to completion.</li> <li>• Significant practical or professional experience and understanding of business, supporting service teams and/or providing support to the public.</li> <li>• Previous management experience including staff supervision, development and organisational skills.</li> </ul>
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<b>Details of the specific qualifications and/or experience if required for the role in line with the above description</b>	<p>Degree in mathematics, physics, computer science, engineering or related quantitative discipline</p> <p>Experience of running data experiments using a methodical or standardised approaches</p> <p>Experience applying data science to solve business problems</p> <p>Experience with data ethics and how this can impact on data science projects</p> <p>Experience in handling large volumes of complex data</p> <p>Experience of applying/utilising a range of technical skills in relation to analysis of data, and using the insight gleaned from these sources to tell stories (including, for example:</p> <ul style="list-style-type: none"> <li>- Database management and analysis</li> <li>- Demographic and demand modelling</li> <li>- Customer segmentation</li> <li>- Data science techniques</li> <li>- Advanced analytics techniques</li> <li>- Machine learning</li> <li>- Natural language processing</li> <li>- Programming e.g. Python or R</li> <li>- GIS</li> <li>- Advanced Excel</li> <li>- Statistical analysis</li> </ul> <p>Experience using data visualisation tools e.g. Tableau</p>
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<b>Role Summary</b>	<p>Roles at this level lead and manage the work of larger teams, or a grouping of two or more teams with a common theme. Alternatively they may be professional roles undertaking research and providing complex advice and/or managing specialist projects. They will plan and ensure progress within established procedures and policy, and respond effectively to changing priorities and different situations. They will work closely with customers, staff, partners, third parties, agencies and/or contractors and have a primary role ensuring their services achieve the agreed service standards in a cost effective way and improving quality standards. Forward planning could be for months ahead and the role will contribute to longer-term development. Work requires the consideration of future implications beyond the immediate problems and may involve the creation of new approaches and procedures to solve the problem.</p>
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<b>Reference Number</b>	BM-2023-337
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