

G-Cloud 15 Service Description

Data Science & AI Product Development

Data Science & AI Product Development

We deliver tailored data science solutions using the latest technologies and methodologies. We emphasise responsible and ethical data use to uncover deep insights and enhance your organisational decision-making processes.

What is the Service

Our Data Science & AI Product Development service focuses on employing cutting-edge statistical methods and data analysis frameworks to extract meaningful information from complex datasets.

We utilise popular programming languages like Python and R, and frameworks such as TensorFlow and Scikit-learn for predictive modelling and data analysis.

Incorporating user-centred design ensures the solutions are intuitive and meet user needs effectively, while agile development methodologies allow for iterative refinement based on continuous feedback.

What can it do for you

Working collaboratively to develop solutions that suit different time frames, budgets and organisational maturity, our experienced team of data scientists help you maximise the potential of your data for positive change.

Service Features

- 1. Utilisation of Python and R for statistical analysis and data processing
- 2. Implementation of TensorFlow and Scikit-learn for advanced predictive modelling
- 3. Integration of data visualisation tools like Matplotlib and Power BI
- 4. Application of user-centred design principles in solution development
- 5. Agile project management for flexible and adaptive execution
- 6. Continuous data validation and model testing to ensure accuracy
- 7. Development of custom data models tailored to specific organisational needs
- 8. Training sessions on data science tools and methodologies
- 9. Support for data integration from diverse sources
- 10. Implementation of data encryption and anonymisation techniques

Service Benefits

- 1. Solutions that solve a clear problem and meet user needs
- 2. Connects our deep technical expertise with your real-world use cases
- 3. Quicker, iterative delivery across the full development lifecycle
- 4. Rapidly develop, test & validate with users at minimal cost
- 5. Produces data science for high-profile policy and mission-critical decision making
- 6. Delivers best-of-breed data science technology into your environments
- 7. Enforces robust, sustainable development practices
- 8. Includes effective and practical handover documentation
- 9. Increases technical and delivery capabilities across your whole team
- 10. Reduces long-term spend on external delivery support

Contact details

End-to-end transformation and innovation experts

Applying our skills in innovation and collaboration from across the Methods Group, to deliver end-to-end business and technical solutions that are people-centred, safe, and designed for the future.

Methods provide collaborative and innovative solutions to help Central Government adapt to the changing landscape and deliver better outcomes for citizens.

With a focus on driving interoperability and innovation in UK Central Government, we have helped multiple organisations in the sector modernise their IT architecture, systems, strategy, and operating models to improve organisational resilience and service delivery.

Methods deliver wide-ranging services and thought leadership to support delivery including:



Onboarding and offboarding process



Ordering and Invoicing

Once we have agreed a Statement of Work(s) we will sign the appropriate agreement and complete a Call Off contract with an attached Statement of Work(s), and submission of a Purchase Order. We will then set up a mutually acceptable start date and commence work.

Payment terms are 30 days or less as may be agreed.

Please note - we are unable to accept Government Procurement Card (GPC) payments.



Customer Responsibilities

For any given requirement, we will identify any dependencies on the customer (e.g. access to key stakeholders, facilities, documentation, etc.) and agree these at the start of the work.

Making a difference

The work we do each day is focused on delivering a positive difference for the public sector for the benefit of society as a whole.



Customer stories

Cloud Hosting & Service Modernisation
Modernised digital services using secure cloud hosting, streamlined legacy workflows, and improved data insights. Delivered faster decisions, reduced manual effort, and a more transparent, **user-friendly experience** for internal teams and external users.

Cloud-Based ITSM Consolidation
Unified multiple service desks onto a cloud-based ITSM platform, standardising processes and automating workflows. Improved incident, change, and problem management, **boosting overall service reliability, efficiency, and organisational visibility.**

Large-Scale Cloud Migration (100+ Apps / 120TB)
Delivered cloud migration of **100+ legacy applications** and **120TB of data** with **100% availability.** Strengthened compliance, improved transparency, and significantly enhanced operational resilience across critical digital services.

Azure Migration & Modern Workplace Enablement
Migrated data centres to Azure and deployed modern workplace cloud services, delivering secure, scalable infrastructure. Achieved improved user experience, strengthened security posture, and **£1m savings** - all with zero service disruption.

Cloud ITSM Migration (ServiceNow SaaS)
Successfully migrated from a legacy ITSM tool to a modern, cloud-based ServiceNow platform. Delivered scalable, robust service operations, strengthened governance, and enabled faster, more consistent digital service delivery across the organisation.

Cloud-Native Data Pipelines (Azure Integration)
Built automated Azure Data Factory pipelines into a Lakehouse architecture, using Bronze/Silver/Gold layers and Delta with CI/CD. Delivered secure daily refreshes, improved data quality, lower manual effort, and more efficient reporting.