Methods Analytics_

SHORT TERM DEPLOYMENT – LONG TERM IMPACT.

Here's how we can help you in 6-10 weeks?

Good things can come in small packages

Not all data transformation needs to be at scale. Sometimes organisations need perfectly formed, small teams to deliver focused value at pace. The insight from a tightly scoped data science proof of concept can be the difference between success and failure of the subsequent scaled up project. A data literacy maturity assessment and plan can lead to recruitment and training targeted at improving an organisation's digital and data skills where it makes the most impact. Sometimes a full, enterprise-wide data strategy isn't appropriate: of more use is a review of existing and previous strategies and plans to provide a coherent view of overlaps, gaps and recommendations for the governance needed to enable data-driven decision-making.

Here are some examples of focused projects which can deliver real value in 6-10 weeks. If these are of interest, or if you have a similar problem on your mind, get in touch us using the details below.

DATA STRATEGY

A robust data strategy provides the principles and framework for an organisation to make data-driven operational, policy and investment decisions. For relatively mature organisations, we can produce a comprehensive data strategy in under 2 months. More complex organisations, particularly those juggling legacy infrastructure, competing priorities and constrained budgets may need something that isn't, yet, comprehensive and enterprise-wide.

In 6-10 weeks we'll help you:

01 Carry out a data maturity assessment, leading to a practical, fully scoped and costed plan to develop a comprehensive strategy.

02 Review your existing data and digital strategies, identifying synergies, overlaps and gaps.
This could include a delivery roadmap if strategies and plans are relatively mature.

DATA DISCOVERY

Before you commit to building a data service, you need to understand the problem you're trying to solve. This means learning about your users; the technological and policy constraints; the underlying policy or delivery intent. A discovery helps you to engage with your users, citizens or patients through a set of short, short, focused and well-defined research activities. These will ensure you can take the right decision on whether to proceed with that data project you've been pondering for a while, whilst also building interest and momentum behind your idea for change.

In 6-10 weeks we'll help you:

01 Identify, explore and validate a list of candidate use cases or problem statements.

02 Run a focused programme of user-centred design and user research activities.

03 Produce wireframes and low-fidelity prototypes that can engage potential users and test ideas.

04 Produce a Discovery report that unlocks funding and plots a course for successful future Agile delivery.

NATURAL LANGUAGE PROOF OF CONCEPT

Natural Language Processing (NLP) is a powerful way of programming computers to process and analyse large amounts of free text. The use-cases are endless, and the objectives and structure of different NLP projects vary drastically, due to the near-infinite number of ways in which the human language can be expressed. We can deploy NLP solutions on-premise or in cloud environments, and our expertise gives our developers the ability to adapt NLP algorithms and gain insight from unstructured text far quicker than conventional approaches, enabling the creation of new and novel insights from previously unexplored data sources.

In 6-10 weeks we'll help you:

01 Stand up a proof of concept to test and demonstrate value, which might include:
- A high-level overview of document content vis topic modelling
- Basic document classification/labelling
- Identification of entities in text (names, locations, dates)
- Social media analysis on how communication of certain subjects have been perceived

02 Identify use-cases where NLP could unlock valuable insight from text data, and work with you to produce business cases and costed delivery plans.

DATA ENGINEERING AND VISUALISATION

We build the foundational data infrastructure and tooling to make data suitable for analysis in a data science or MI/BI project. We do this using data pipelines, Extract Transform Load (ETL) scripts, data cleansing, and data warehouses or data lakes. We then apply reporting and visualisation tooling as required. Our Agile development methodology accelerates the process. We are accredited Microsoft Gold Partners for Data Analytics and Data Platform and are currently undergoing AWS accreditation.

In 6-10 weeks we'll help you:

01 Build a Proof of Concept / Alpha Minimum Viable Product based on an initial design set of use cases.

02 Produce technical demonstrators across a range of solutions and product to assess best fit.

03 Create, test, validate or enhance an existing or new high-level solution design.

DATA SCIENCE PRODUCT DEVELOPMENT

A Data Science Proof of Concept is an opportunity for an organisation to test and learn. We can help you choose a use-case for a specific problem you're facing, and provide you with a working solution to demonstrate and test value.

In 6-10 weeks we'll help you:

01 Develop a risk model to identify which areas need improvements and what are the responsible factors.

02 Identify anomalies in data as part of a discovery (for example, fraud detection).

03 Summarise big volumes of data using statistics and dashboards to communicate insights at different levels of the business.

IMPACTABILITY MODELLING

Health care, social care and local government organisations need to improve outcomes and demonstrate value. Risk stratification to identify individuals at the greatest risk is a common approach: impactability modelling goes further to identify the sub-groups who would benefit the most from an intervention. Particularly when resources are stretched, improving targeting can help reach the most vulnerable at the lowest cost.

In 6-10 weeks we'll help you:

01 Run a Proof of Concept

02 Build segmentation and clustering models to identify group of data/people who would benefit from a certain outcome or service, stratifying the group by characteristics and value added.

03 Test or validate an existing impactability model using updated data to test how future-proof is the model and update it as necessary.

DATA LITERACY MATURITY ASSESSMENT

We know that the availability of skilled resources can be the most common, and impactful, barrier to the adoption and improvement of data foundations. Methods Analytics can help organisations understand their current levels of data literacy, where their gaps are, and where to focus in order to achieve their strategic ambitions. Using both our expertise, and that of partner organisations, we can build (and deliver) comprehensive recruitment and training plans to fill those gaps.

In 6-10 weeks we'll help you:

01   Carry out a maturity assessment to understand skill levels and gaps, using a tailored combination of surveys and workshops.

02   Recommend a plan to increase literacy via recruitment and training. If you know data science is a particular gap, we know how to build and strengthen data science teams.

03   Train your staff on best coding practices from how to write code in partnership to collaborate using version control.

WHO ARE METHODS ANALYTICS?

We are an organisation of problem solvers. We use data to help public and private sector clients solve challenges with a mix of creativity, technical experience and collaboration. We combine passionate people with sector-specific expertise. Our approach is collaborative, creative and human. Our outputs are transparent, robust and transformative, and give you the tools, methods and autonomy to keep making better decisions.

From problem identification and data science, to visualisation, interpretation and the delivery of actionable intelligence, we work across the entire data lifecycle.

- 10+ years of rapid growth
- 400+ Successful projects
- 6 major £1m+ data transformation programmes
- 80+ Analytics experts
- Access to 400+ associates from Methods Group
- A trusted technology partner

Get in touch

To find out more about how we can help you, contact us on analytics@methods.co.uk