



MasonBreese **Data Analytics**

Elimination of discrepancies and material reduction in regulatory risk

A real-life case study

The challenge

Our client, a household-name bank, implemented a new liquidity reporting platform, but found on first run that there were discrepancies of £100 million versus the legacy system.

It was unclear which data was wrong: the old, the new or both. Whatever the case, there was a significant risk of material regulatory censure.

Our challenge was to identify the source of every difference and error from a complex, multi-sourced and disparate data set to ensure 100% (zero exception) alignment and accuracy of company-wide regulatory reporting.

We needed to overcome the highly complex structures of the legacy client data warehouse and navigate the old and new daily procedures which updated/populated tables and their relation to the data discrepancies.



Our approach

We chose to use Alteryx for the project as it allows for:

- Native simultaneous connections to multiple data sources
- Fast and simple creation of routines to parse, cleanse and analyse data in repeatable and industrialised processes

We extracted the data to an Alteryx database, a flat file which Alteryx can work with natively and which is tailored for highly efficient and fast use as a data source for workflows. This is a great solution for large-scale data operations with millions of rows of data, rather than querying a live database, slowing down both development and use of the warehouse for other users.

We were able to collate the dataset overnight each day into an Alteryx database and load it into the workflow quickly and repeatedly, allowing for rapid development.

Once workflows were built, they were available to be used against each day's data. In this case, workflows were used to record the results of each previous day's data and to identify remediating entries for processing into the data sets for the upcoming day's processing.

Discrepancy rates were collated for daily reporting as a part of the routine, remediation was implemented and the error levels were reduced over a few weeks to zero – where they have remained.

The outcome

We achieved a 100% alignment of company-wide data, correction of errors coming both from source data and processing, with a concise explanation of the sources of differences and the elimination of all data discrepancies.

The project resulted in the elimination of otherwise material regulatory, operational and reputational risks whilst also enabling employees to perform ongoing high-quality regulatory reporting.

The company employees were empowered by having a better understanding of their data, and we resolved a range of legacy issues permanently, ultimately delivering ongoing jurisdiction-specific regulatory reporting capability.



Facts and figures



One Alteryx licence



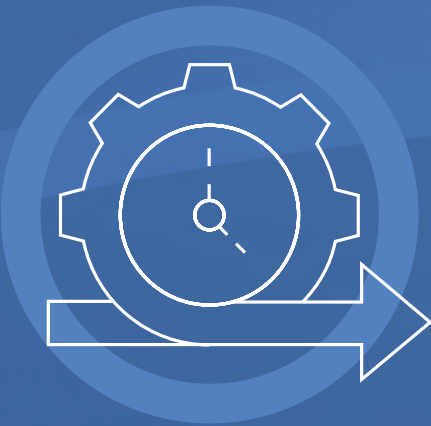
£105,000 investment



Elimination of **£100 million** discrepancy



Radically enhanced data governance within **two months** of starting the project



80 consulting days including one data analyst, one part-time liquidity/Basel SME and one part-time project manager



Stakeholders benefitting: Financial Control, Compliance, MI & Data Team, Shareholder and ExCo leadership team

Why **work with us?**

Thanks to our extensive and high-quality track record of delivery, we are trusted by our customers. However, we do not just complete the project, we also love to inspire, innovate and create, sharing our expertise and the pioneering ideas that our team produce throughout the process.

Every project is tailored to your specifications. From small- to large-scale projects, the MB team will partner with you to shape a solution that works for you and your organisation.

We focus on collaboration, working side by side with both you and your people, turning your goals into reality in a way that is sensitive to your culture and situation.

Our regulatory SMEs bring deep knowledge and experience of the Basel prudential regime and are well placed to help you to improve, enhance and implement better capital and liquidity measures.

We work in an ever-changing world and innovation is evolving rapidly, so we ensure all our digital consultants, business analysts and project managers are fully accredited

to use a number of processes and data automation tools, such as Alteryx and UiPath, whilst embracing all new digital technology.

*We love to inspire,
innovate and create.*

Get in touch to learn more

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