



Data Science Solutions

Maximising the potential of your organisation through data driven analysis and insight

Data Science - Background

- Brings skills such as statistical modelling, data manipulation, programming, technology, visualisation and communication to bear on key business challenges
- Uses sophisticated modelling and analysis to transform data into actionable insight and business intelligence
- Allows both internal and external data to be engineered to find opportunities that couldn't have been identified before
- Allows better decision-making supported by the Data
- Enables outcomes to be predicted eg 'What will our clients/this client do next' and 'what is our best course of action'

Investment Banking Challenges

Macro

- Business models are evolving and Client strategy is not fully defined
- Hard to focus on business enabling initiatives with current Regulatory/Control agenda
- Lower margins, increased competition, higher costs of doing business (capital requirements)

Micro

- Plethora of systems from which data needs to be sourced
- Inconsistencies by product/regional domain
- Reference Data poorly maintained
- Lack of cohesive enterprise data model

Business Imperative

- Banks need to get smarter, more responsive, and need to use all of the data assets that are available to improve their understanding of their business and their clients

Mango Solutions



Training - on-site training on Data Science theory and tools for analysts and business users



Infrastructure - design, creation and support of modern analytic platforms for the enterprise



Scale - support for scaling analytics and data to optimise Data Science application



App Development - creation of rich, predictive analytic applications that put tools in the hands of decision makers



Consulting - targeted consulting to design and implement the right analytic methods



Technologies - training and support to assess, adopt and validate analytic tools



Adsatis



Domain Expertise – practitioner based consultants with deep domain expertise across trading and sales, relationship management and risk management



Programme and Project Management – across multiple functional areas – technology, front office, risk management, operations etc



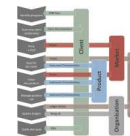
Data Management – assisting organisations with data management strategy design and implementation, and data governance



Data Sourcing and Verification – identifying data requirements for business and reg driven analysis, calculation and reporting



Data Modelling and Delivery – development of data models, data mapping and ETL of existing sources to data repositories



Analysis and Strategy – turning information and insight into opportunity, strategy and business recommendations and packaging for senior management

Example Projects



Asset Management

modelled ~€10bn of mortgage assets for a major fund management company, simulating the impact of different asset management behaviours



Client Research and Analysis

client studies to advise banks on how to improve performance with key clients – service quality assessment and wallet size/wallet share analysis



Customer Insight

analysed and modelled corporate customer behaviour to improve retention and life time value for a major tier 1 bank



Sales and Client Evaluation

advisory on calculation methodology and project management and business analysis to support implementation of sales and client evaluation systems



Know Your Customer

worked with a major credit card provider to compare customer data with social media and crime data to provide better Wallet and Fraud analysis



Data Management Solution

business analysis, solution design and process and technical documentation for outsourced data management solution. Project Management and QA of BAU operations



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