

Data science accelerators

GFT is able to leverage our previous experience and successful customer examples, to ensure that new client data science initiatives do not become yet another science project that never makes it into production.

Many data science projects are based on great ideas but flawed implementation.

The GFT data practice helps meet the many challenges of a data science project on a daily basis, including:

- Mitigating the natural bias in training data sets
- Providing realistic and early feedback from a pipeline based around continuous integration, to ensure models built on static data sets are validated

- Ensuring a strong feedback loop with business stakeholders to ensure success
- Ensuring the team has a rich mix of data scientists and engineers, with a range of specialised skills
- Reducing the cycle-time to achieve new insights, whilst ensuring that data governance is not sacrificed

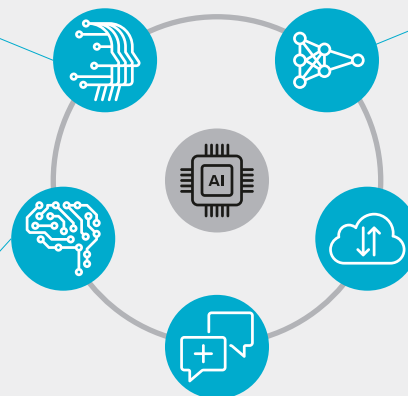
Components of an AI data science project

Cognitive technologies:

- Natural language processing
- Artificial vision
- Automated management
- Augmented intelligence
- Smart bots

Machine learning engineering:

- Production ready and continuous integration
- Data preparation and near real-time data categorisation and profiling
- Technologies, tooling and standards
- Scalability and mobility



New learning:

- Deep learning
- Predictive learning
- Reinforcement learning
- New algorithms and approaches

AWS managed services

- SageMaker
- Streaming ingest
- Containerisation
- GPU accelerations

Chatbots

- Amazon connect
- Market knowledge and partners to help navigation today's API market place and SaaS rich environments

What use cases can GFT advise or deliver on?



Chatbots
Streamlining of business processes



Products
Identification of patterns across transactions and recommendation of relevant products



Video intelligence
Video intelligence surveillance, machine learning, (home) automation, robotics, and space exploration (MARS)



Predictive analytics
Ingest normalised real-time data and deliver measures of predictions from ML algorithms



Image recognition
Image recognition for mortgages and insurance



Email intelligence
Email categorisation, entity recognition, sentiment analysis and routing



Trend analysis
Analyse and assess data trends for selecting explanatory variables



Document digitisation
Natural language processing (NLP) for document classification and entity extraction

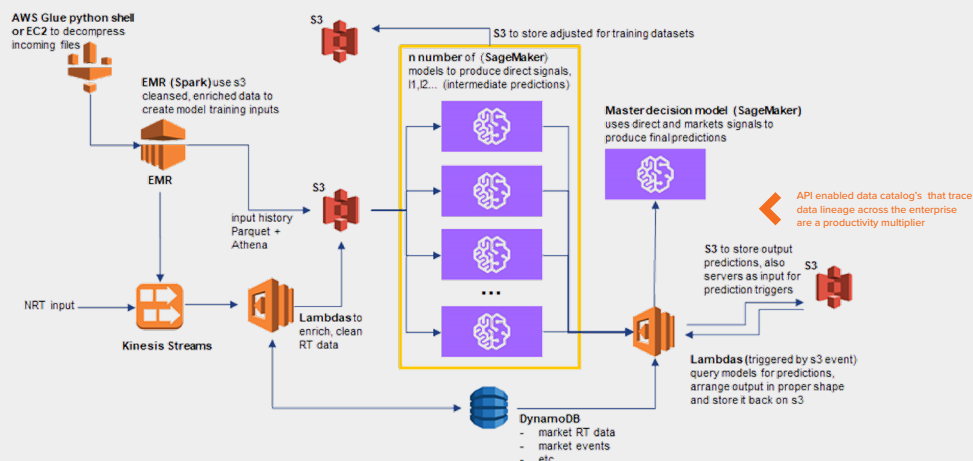


Anomaly detection
Based on historic data, identify unusual movements



Behavioural modelling
Analysis of behavioural models and dynamic customer segmentation to identifying core behaviours and patterns

Sample machine learning pipeline (AWS native)



The GFT difference

- Big enough to deliver – small enough to care
- Straight-forward decision-making and a ‘hands-on’ mentality
- A passion for innovation
- Our commitment to delivery
- A focus on sustainability, rather than short-term profits

About GFT

GFT Technologies SE is a global technology partner focused on digital transformation in the financial sector. Founded in 1987, we have around 5,500 experts in 12 countries.

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