EMERGE

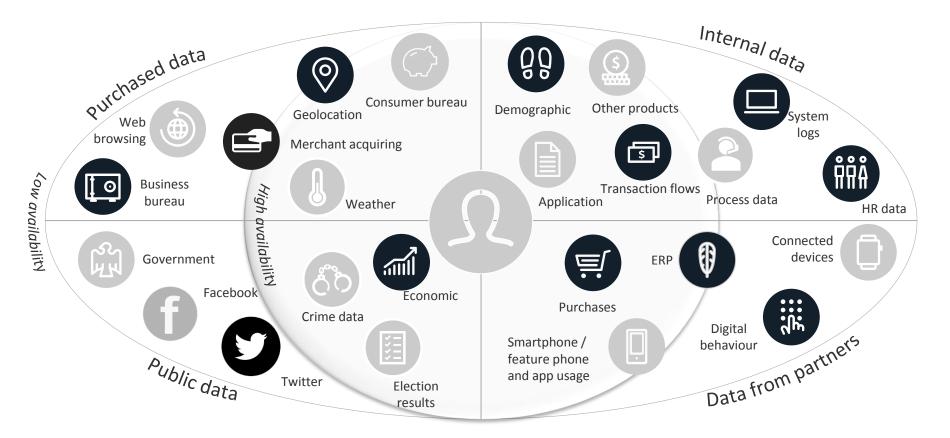
THE SOLUTIONS TO THE WORLD'S **BIGGEST PROBLEMS** ARE IN THE DATA

There are mountains of data but...



"Only 0.5% of all data is analysed or used" Bernard Marr, Forbes.com

The data landscape



The challenge for banks...

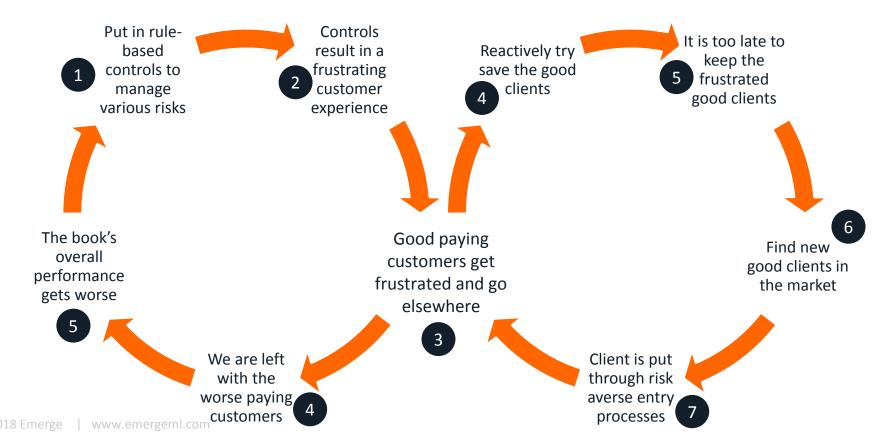
Balancing growth and risk management



There is a sweet spot of giving the maximum number of clients access to capital while still managing risk

How do banks traditionally approach this?

The rules-based approach where everyone is treated the same



The new way of managing risk...

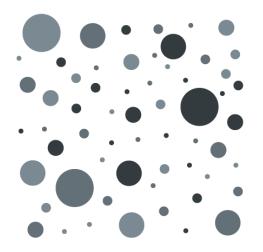


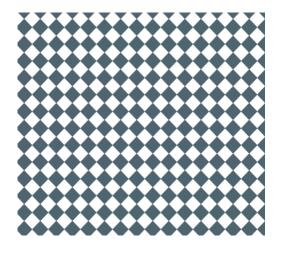


No more generic rule-based segmentation

Use machine learning to enable scalable personalised interactions

How is this done?





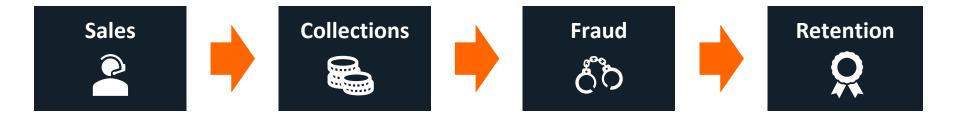


Provide **your data** in whatever amount and format you have it - don't spend time cleaning it first

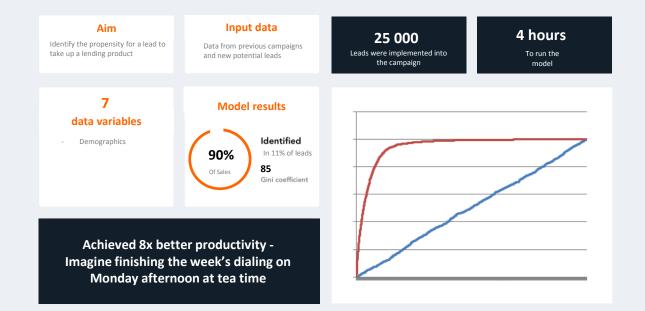
Find unique patterns to identify pockets of value using Emerge's proprietary machine-learning software Run the model in your operational systems through an API or batch process in the Azure cloud

There is opportunity to personalise the full customer lifecycle

For example, let's look at a few case studies



CROSS SELL



COLLECTIONS

Aim

To determine which credit card clients entering collections would cure on their own within 5 days

64

Input data

0

581 815

173 331

Result

149 851

545 003

Each account that entered collections in a year was included

Model results

Predict

0

data variables - Account descriptors - Collections data - Demographics - Client descriptors - Bureau

- Affordability

- Contact details NOTE: no transactions were used

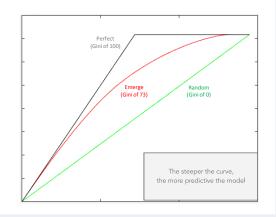
73 Gini coefficient The model accurately predicted 80% of clients that cured in 5 days and 76% of clients that didn't cure in 5 days

without any transactional data



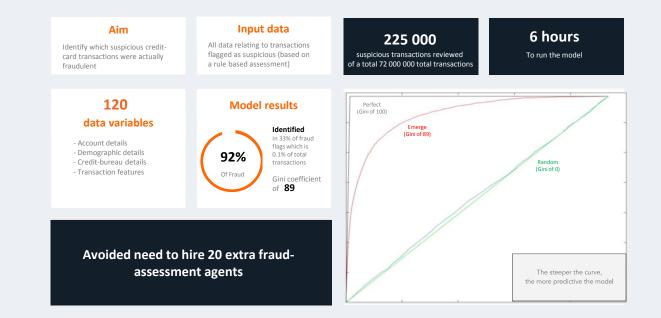
9 hours

To run the model

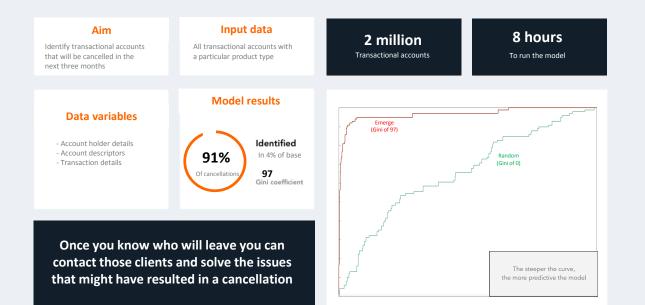




FRAUD



RETENTION



There is opportunity to personalise the full customer lifecycle

For example, let's look at a few case studies



Case Study: Sales call centre

Which campaign leads would convert to sales?

90% of sales identified from just 10% of leads Case Study: Propensity to pay

Which credit card accounts would self-cure?

Found selfcuring accounts at 78% accuracy Case Study: Fraud operations

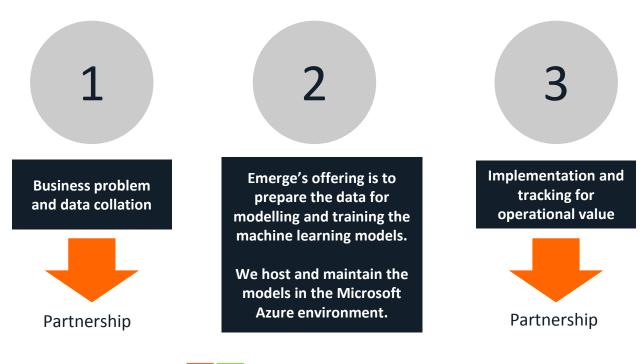
Which transactions are fraudulent?

Avoided need to hire 20 fraud staff members Case Study: Client retention

Which accounts will cancel in next 3 months?

91% of closures identified from just **4%** of base

The way we envisage a partnership with you...





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info@emergeml.com

www.emergeml.com

KING POWER