

Securing Critical Infrastructures In The Financial Sector

Predictive Analytics
for Cybersecurity and Finance

Predictive Analytics

Predictive Analytics is a powerful new approach that uses Data Mining, Statistics and Machine Learning to identify, based on historical data, the likelihood of future incidents before they impact customers and end users.

By using PA, IT and Financial organizations can deliver seamless customer experiences that meet changing customer behavior and business demands.

Business models needing Predictive Analytics

Detecting fraud: combine multiple analytics methods to improve pattern detection and prevent criminal behavior

Cybersecurity: to use high-performance behavioral analytics to examine all actions on a network in real time to spot abnormalities that may indicate fraud, zero-day vulnerabilities and advanced persistent threats

Data challenges



DATA IS EVERYWHERE



Four big data challenges in finance

Regulatory requirements: personal data is under stringent regulatory requirements

Data security: hackers + advanced threats, data governance measures are crucial to mitigate risks associated with the financial services industry

Data quality: finance companies want to do more than just store their data, they want to use it

Data silos: financial data comes from many sources like employee documents, emails, enterprise applications, and more





DATA IS EVERYWHERE

texts, images audio, videos



Customer
information

Financial
transactions

Product and
service purchase
histories

Customer
journeys

Marketing
campaigns

Service
inquiries

Market
feeds

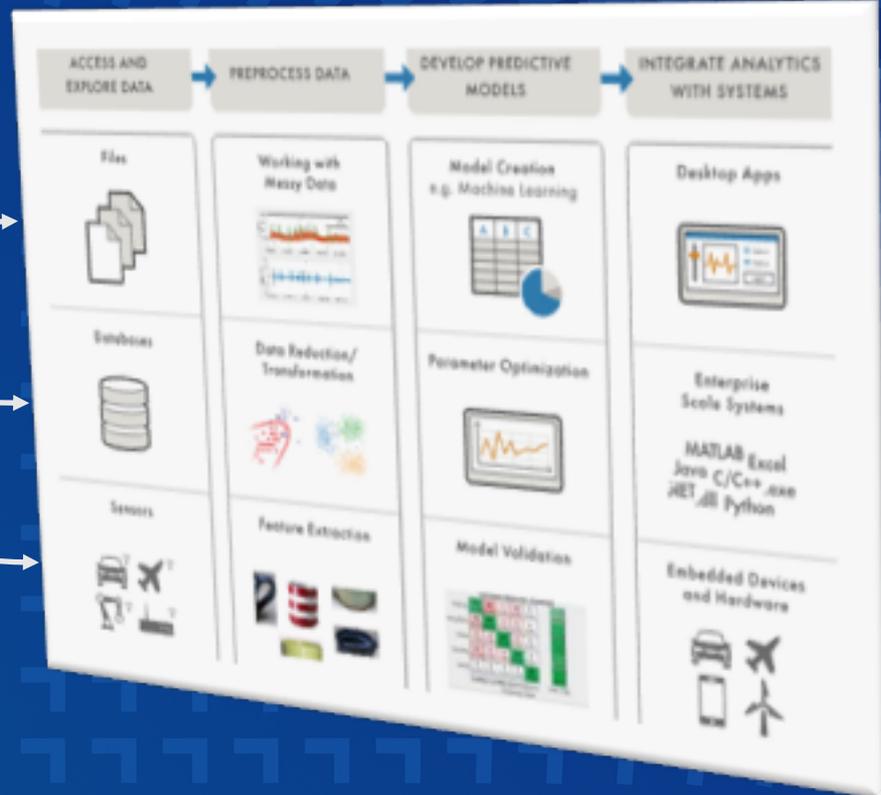
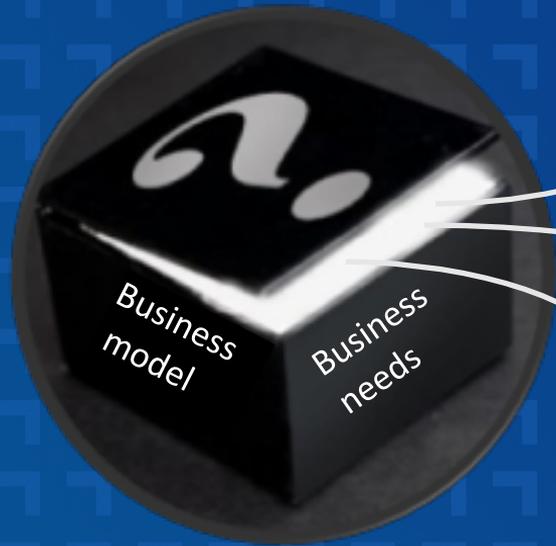
Social
media+IoT
streams

Software
logs

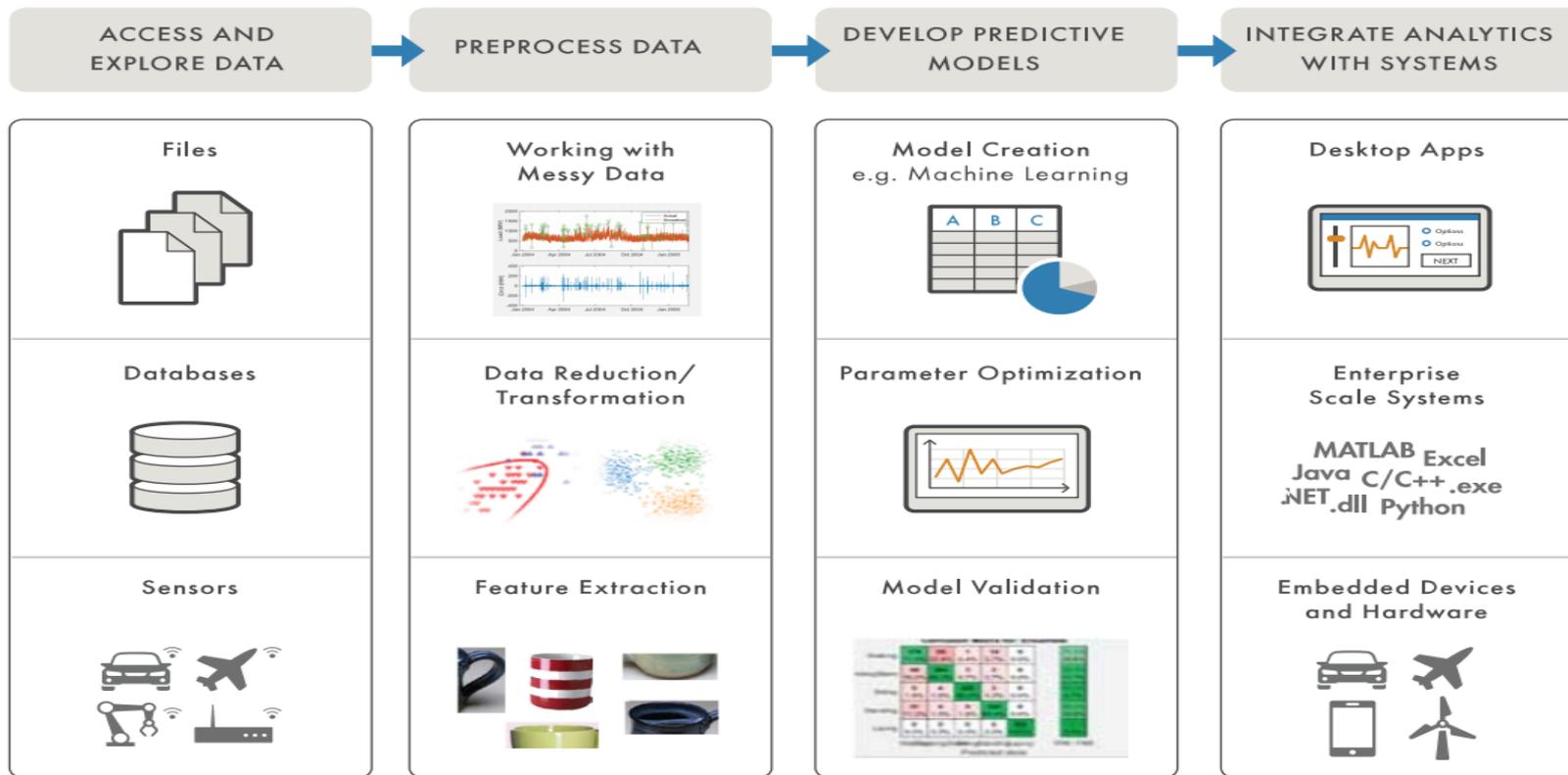
Emails+SMS+
newer sources

Combined with business models, this data provides enterprises with opportunities to gain additional insight and value

Predictive Analytics workflow



Predictive Analytics workflow



Thank you for your kind attention

For More Information:

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Also you can Register with: [Finsecurity.eu](https://www.finsec-project.eu)

