The Evolving Role of Audit Committee and Auditor in the Digital Age





P2P - lending

Peer-to-peer lending (crowd bonds) companies match lenders directly with borrowers through online services.



Big Data Credit rating

The bank offer loans to individuals based on their creditworthiness analyzed with online data. The credit rating changes in real time.



Cryptocurrencies

A cryptocurrency is a digital or virtual currency that uses cryptography for security.

Bill Gates **BANKING IS NECESSARY.** BANKS ARE NOT.



Crowdfunding

A financing method that involves funding a project with relatively modest contributions from a large group of individuals, rather than seeking substantial sums from a small number of investors.



P2P - transactions

Person-to-person payments (P2P) is an online technology that allows customers to transfer funds from their bank account or credit card to another individual's account via the Internet or a mobile phone.



Robo-advisors

Human intervention is being replaced by robots especially in the wealth management.

NON-TECH INCUMBENTS WANT TO BE TECH COMPANIES



"We are a technology company."

Lloyd Blankfein CEO, Goldman Sachs

Previous Submission

Goldman Sachs - A Technology Company?

Next Submission 🕣



Written by Brittany W, Posted on April 26, 2018

GOLUS

In early 2017, Lloyd Blankfein (Goldman Sachs CEO) stated "We are a technology firm. We are a platform." Goldman Sachs still has a long way to go, but is taking steps in the right direction to effectively employ digital technologies. What does this mean for the future of the traditional investment banking industry? Is human capital still a bank's greatest asset?

MANAGING THE ENVIRONMENT CHANGES

Disruptive technology Cloud, Blockchain, Big data, Al

Changing business models Rise of FinTechs/non-banks

Increasing regulations KYC, AML, FATCA etc.

> Cybersecurity attacks **GDPR/Data Privacy**

MEETING THE CUSTOMER'S EXPECTATIONS

Changing demography/ preferences Millennials / GenZ

> Increasingly sophisticated customer

Demand for Self-service banking

Concerns about Security





Traditional Banking



Digital Banking

Location of transaction

Bank Branch

Mode of transaction

Branch network

Nature of Products

Mass Products



Anywhere

Customer chooses how

Tailor-made

Audit Committee in the Age of Disruption

Audit Committee in the Age of Disruption



Rethinking risk oversight

- Is there clarity on top five strategic and operational risks facing the company?
- Is risk oversight properly communicated among the board's various committees?



Oversight of Corporate Risk Culture

Corporate risk culture must be top of mind for corporate boards, and also for audit committees given their focus on ethics and compliance and the hotline process.



Talent

- Audit committees must continue to help ensure that technology is being leveraged properly and in a way that complements and amplifies the strengths of their human auditors.
- Does the company have sufficient internal audit resources?



Cybersecurity

The audit committee can help assess the policies and procedures that management has in place to help prevent corporate espionage and safeguard the ability of the business to continue uninterrupted.

Internal Audit in the Age of Disruption

What we need to change



Manual / Sampling



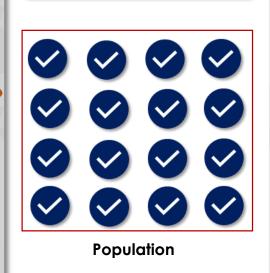






Population















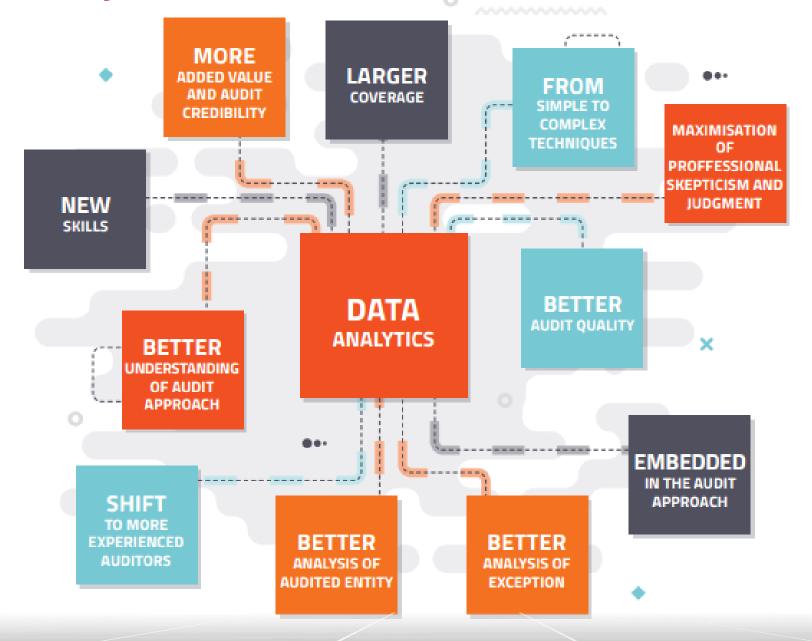


Collaborate with

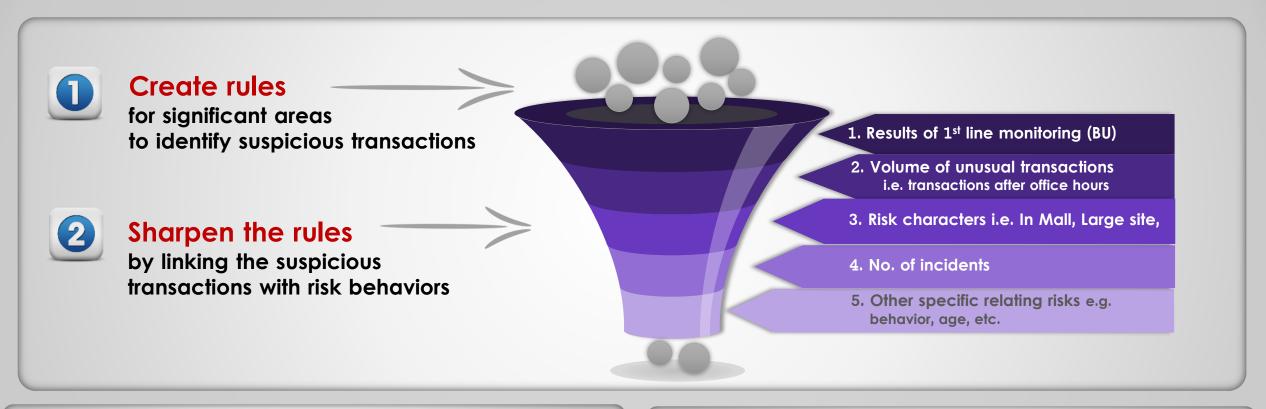
- Compliance
- Operational Risk
- Financial Crime etc.

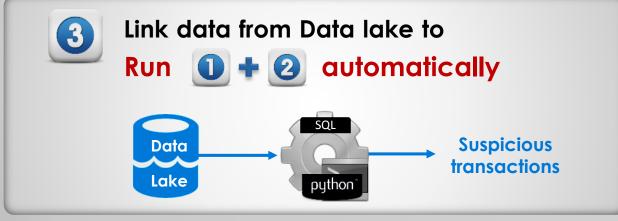
to ensure overall assurance for the organization.

Data analytics become a Game Changer for internal audit



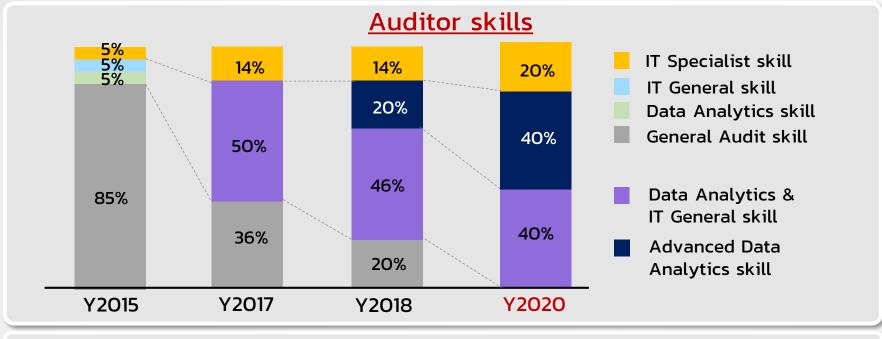
Data analytics Journey

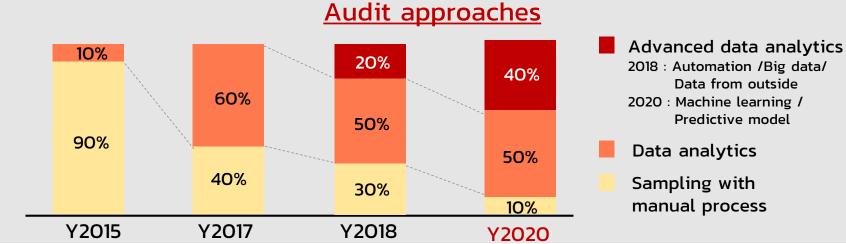






Audit Capabilities Development





Outputs



Data analytics

✓ Increase coverage by changing from sampling to 100% audit



Automation

- ✓ Increase efficiency
- ✓ Reduce time by 90%
- ✓ Increase frequency as much as we want

Ordinary Auditor

Professional of Internal Auditing

Risk assessment and identify control activity

Leverage technology to audit work

Analytical Thinking

Interpersonal Skills

Writing Skills

Influencing

Communication

Time Management

Team Management

Driving change

Strategic thinking

Coaching

Digital Auditor

What is the NEW capabilities for Internal Auditor in Digital era?

Robotic process automation (RPA)

Machine Learning – Predictive model

New programming language - Python, R

New cybersecurity trends

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Conclusion of Internal Audit in the Age of Disruption



Focus on Assurance

By continuing to focus on risk management, control, and governance, auditors can help ensure that processes are designed and operating effectively – regardless of the speed of disruption.



Engage with Stakeholders

Align internal audit's work with the expectations of internal audit's key stakeholders.



Invest in Training on Disruptive Technologies

Develop an adaptive, flexible, innovative staffing model to tap into a highly specialized talent pool with technological competence and the ability to rapidly understand and leverage new tools, techniques, and processes.



Put New Technologies to Work

Must take advantage of machine learning and data analytics in their audit processes — real-time auditing should be a requirement as organizations implement new business processes.