Big Data, Big Issues: Global Challenges and Effective Solutions

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What is big data?

“Big data is a broad term for data sets so large or complex that traditional data processing applications are inadequate. Challenges include analysis, capture, data curation, search, sharing, storage, transfer, visualisation and information privacy”
“...MySpace in your space
Facebook is that new place
Dip divin', socializin', I'll be out in cyberspace
Google is my professor
Wikipedia, checker
Checkin' my account, loggin' in and loggin' out...”

William Adams, 2009

So, big data helps us get to the truth?
What are the data privacy and compliance challenges?

- Increased focus on data privacy issues
- Right to be forgotten
- The impact of Snowden
- 3rd party screening
- Employee screening
- Customer and client screening
- Political contributions
- Travel and expense payments

However, is data always true?
Winston Churchill

“A lie gets halfway around the world before the truth has a chance to get its pants on.”
False whistleblowing

- Malicious
- Mistaken
- Money-grabbing
- Mad

Challenges in investigations

- Mission creep/lack of focus
- Proportionality
- Cost
- Data protection
- Data export
- Treating interviewees fairly
- Jurisdictional issues e.g. China, Russia and Brazil
- Self-reporting
- Evidence gathering e.g. Dahdaleh
- Privilege
- Right to be forgotten

- Multiple reporting obligations e.g.
  - Local authorities
  - UK
  - US
  - Shareholders
  - Employees
  - Suppliers
  - Customers
  - Press
Example: Deutsche Bahn

- Monitoring employees as anti-corruption measures – c.173,000 employees affected
- Reconciliation of employee data with data on 80,000 suppliers
- Collection of bank data of employees
- Interception of email traffic
- Overall fines of €1.1m

Big Data and Transparency Laws

- Prosecutors (e.g. the DoJ or SFO) increasingly have more information at their disposal
- The growth in whistleblowers adds to that data pot
- Transparency laws oblige companies in high-risk sectors (e.g. mining, oil, gas, forestry etc.) to volunteer information to government including payments to overseas officials
- Pressure groups are increasingly reviewing data and using FOI requests
- Prosecutors are employing e-discovery platforms and big data experts
Data Security

• How do I keep data secure?
• How do I hold data legally?
• How does a Chief Compliance Officer find out about information security risk before a breach?

Practical tips to deal with big data

• Proportionality
• Length of time data held
• Purpose
• Quantity of data held
• Security e.g. BAe
• Consent
• Redacting
Big data and social media

- Social media can health check a company
- Sell/buy decisions for investors
- Join/leave decisions for employees
- Buy decisions for customers
- Sell decisions for suppliers

Resources

- The right to be forgotten – http://bit.ly/1tB8Os
Questions

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