

Getting ready for the health data explosion

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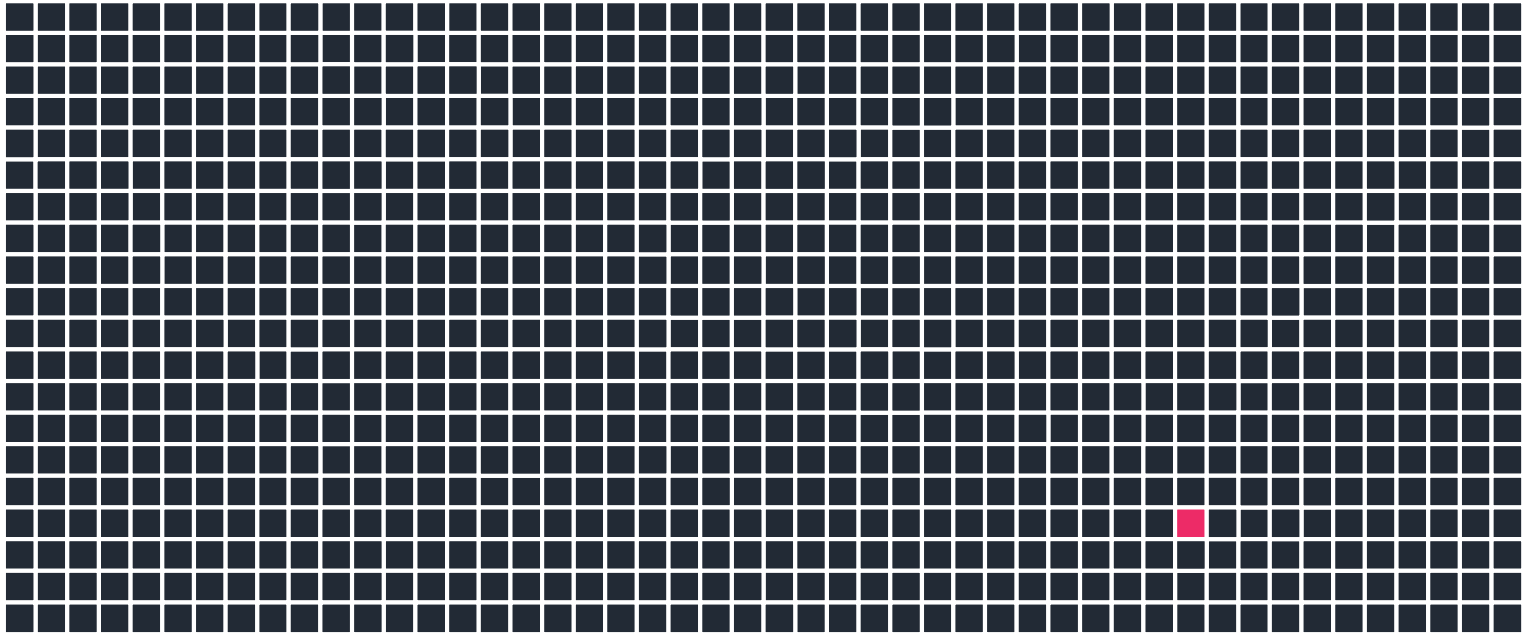
analysis paralysis

“Too much information is worse than too little information.

Now that we’ve entered a knowledge economy, this is an acute problem for many.”

– Malcolm Gladwell

The inability to identify opportunities is compounded over time due to information overload and persisting blind spots



The traditional actuary



Aggregated data



Relies on arms-length IT teams



Requires financial / IT experts to reconcile to management accounts

The data-driven actuary



Detailed line-level data



Physically in touch with lowest-level data interactions



Direct reconciliation between data and financials

“

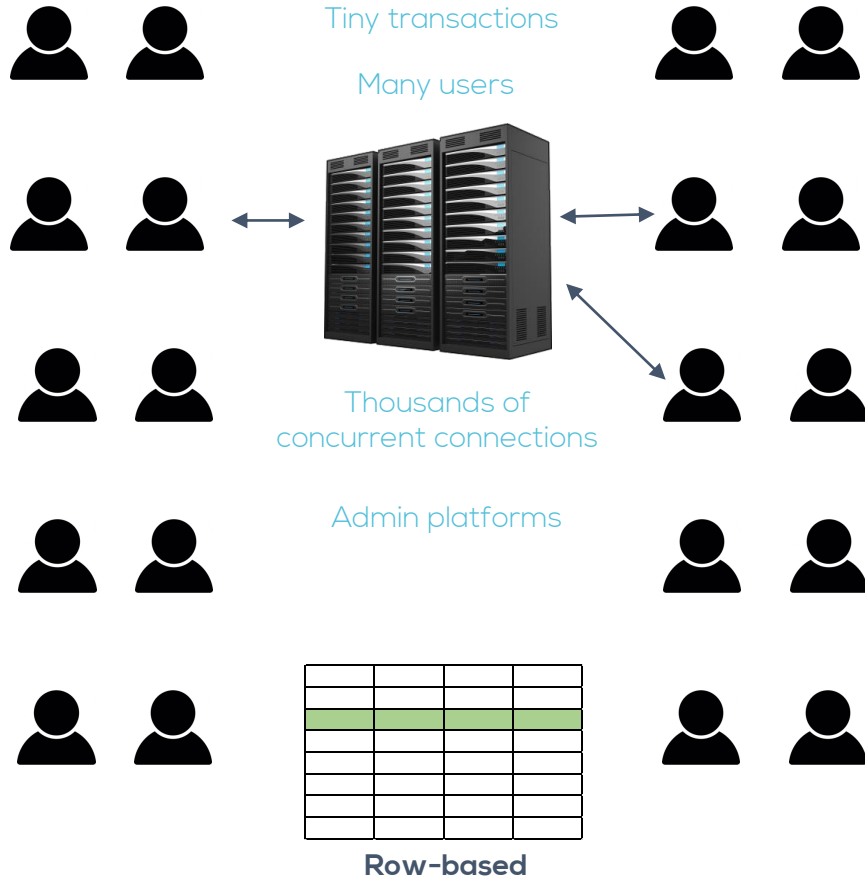
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An actuary who is only an actuary is not an actuary

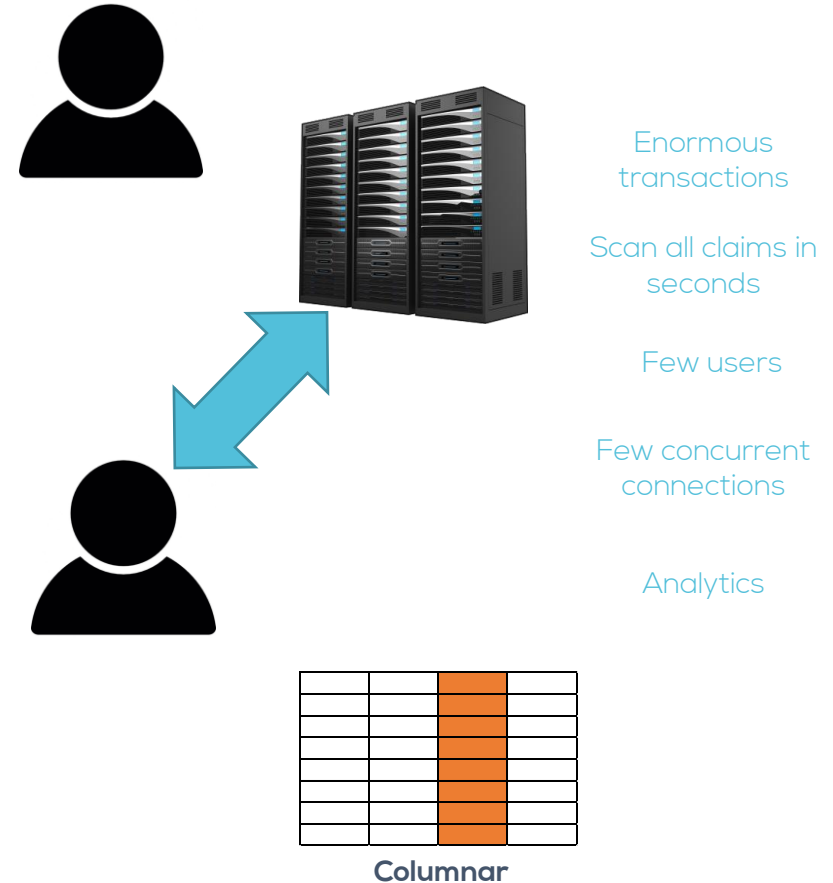
Interface with multiple systems. Each with its own peculiarities.



Transactional optimisation



Analytical optimisation

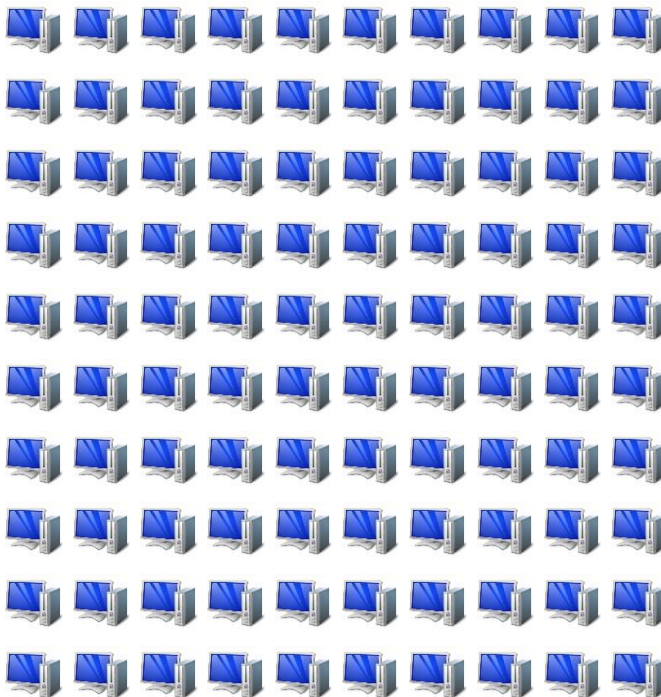


Insight Cloud Processing Capacity ~ 100 workstations

Insight Analytics
Platform



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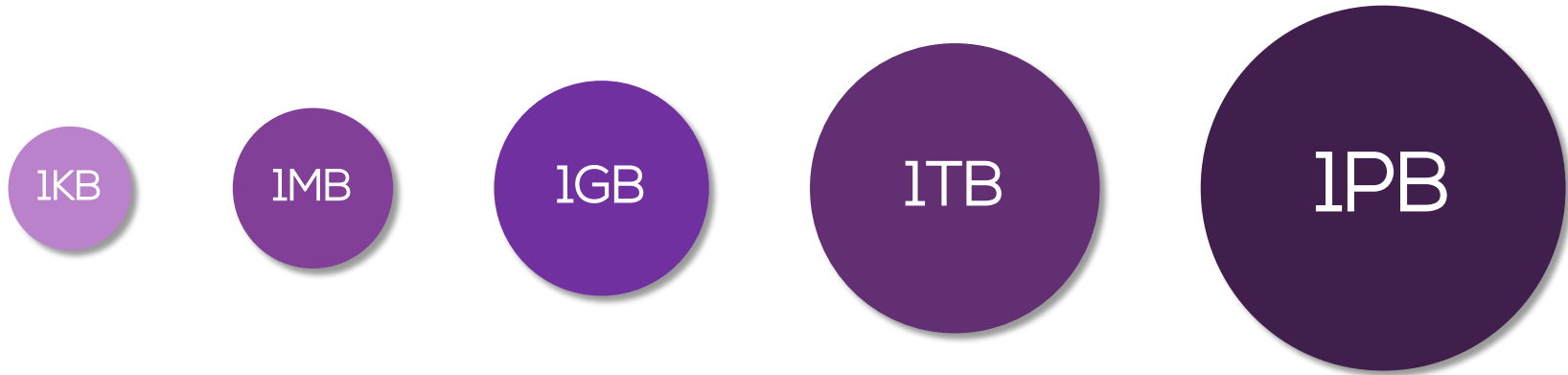


7.5
GB/s
persistent

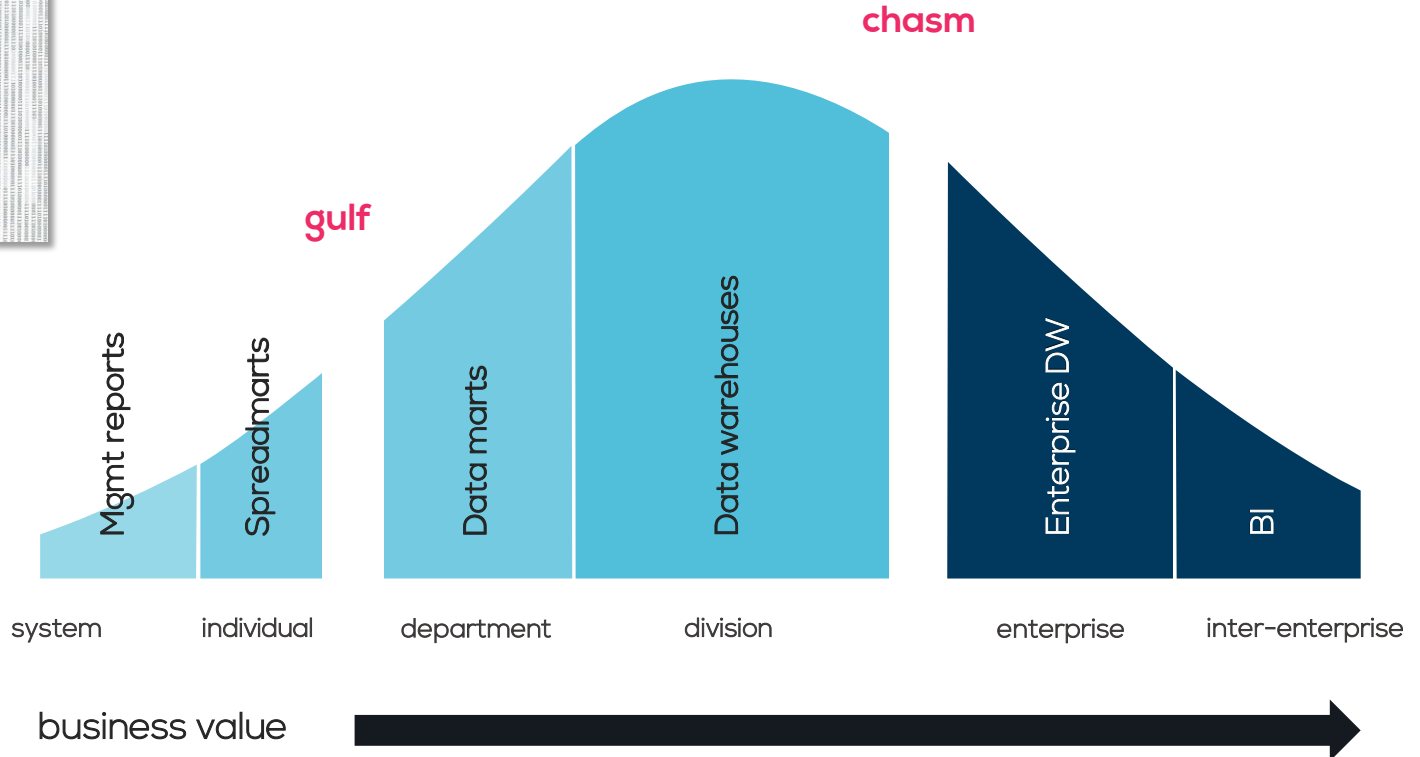
50
GB/s
in RAM

We know how to handle large volumes of data

1 Petabyte's data processed over last 6 months



The DW Maturity Model Adoption Curve



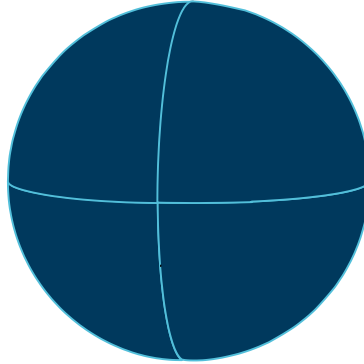


An actuarial approach to Business Intelligence

Insight Data Warehouse Architecture

Reporting &
Delivery

ETL



Architect
Data Cubes

Data
Warehouse



Tiered architecture for maximum flexibility

Reporting &
Delivery

ETL

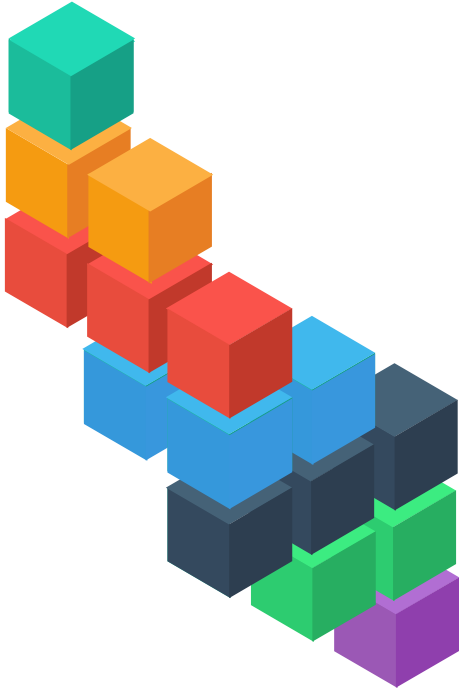


Architect
Data Cubes

Data
Warehouse



Architect Data Cubes

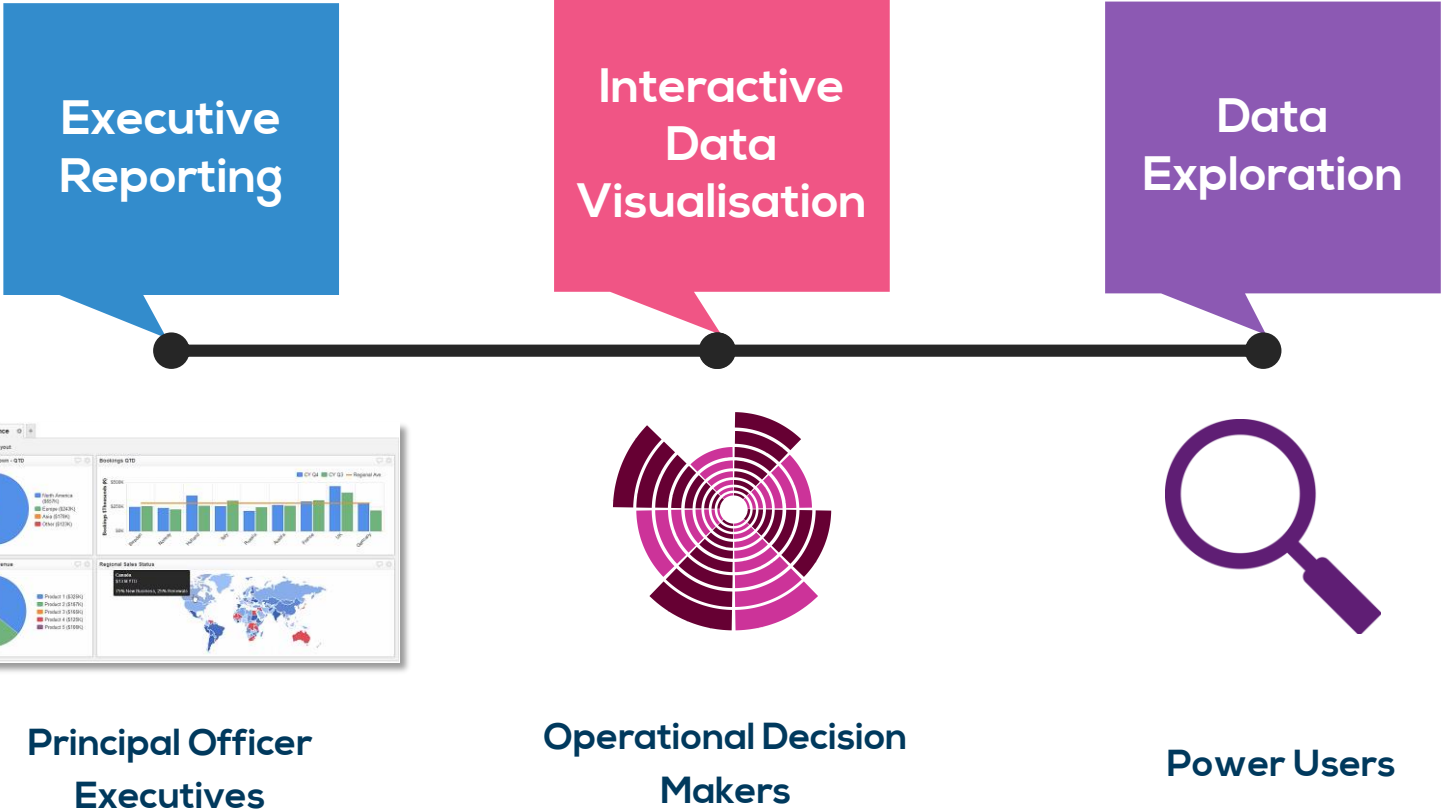


Tabular

Multi-dimensional



Audiences



Delivery mechanism

MS Solutions



Mobile delivery



The Insight Cloud allows for uninterrupted access to information



The Insight Cloud allows for uninterrupted access to information



Reduce capital costs

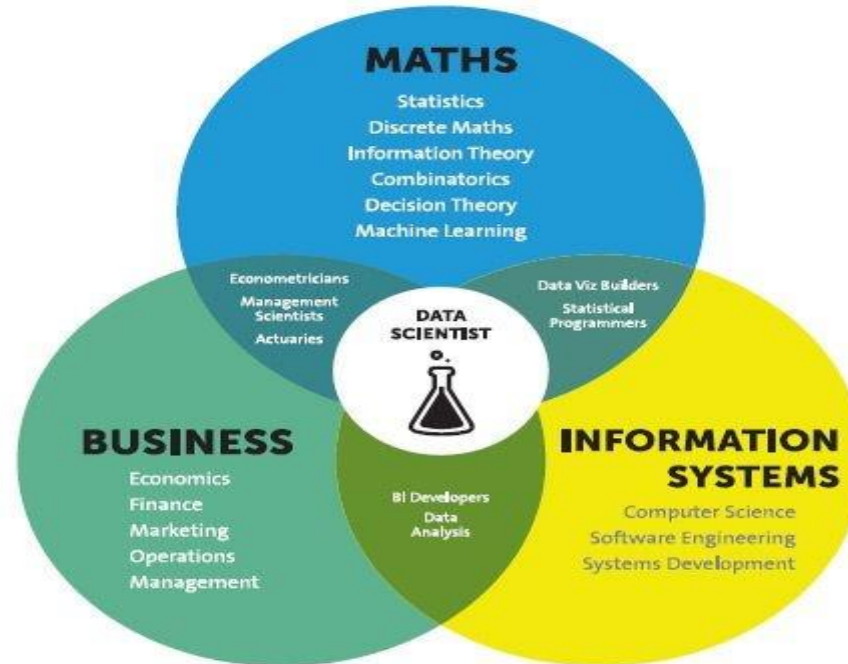
Improved accessibility

Achieve economies of scale

Efficient use of resources

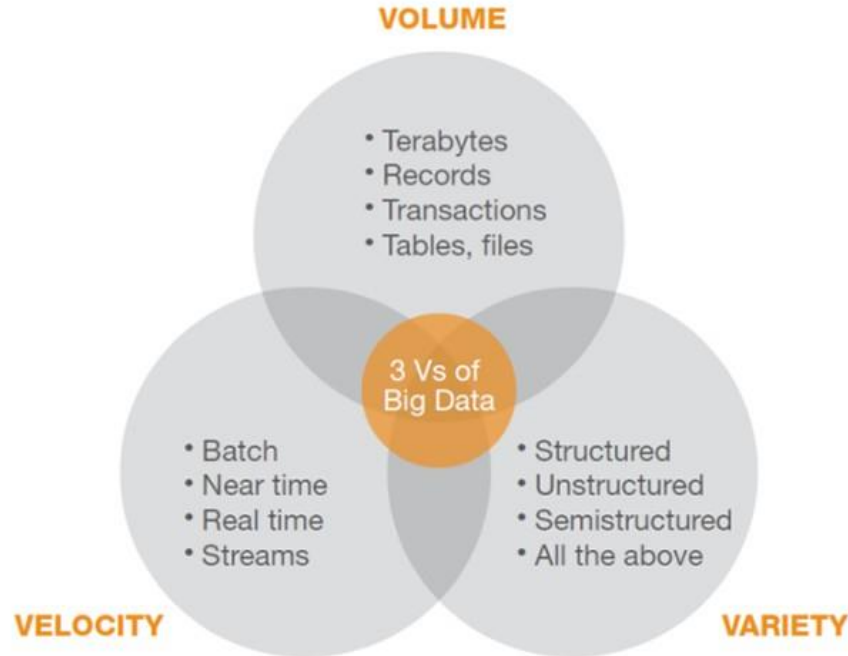


Data Scientist vs Traditional BI Developer

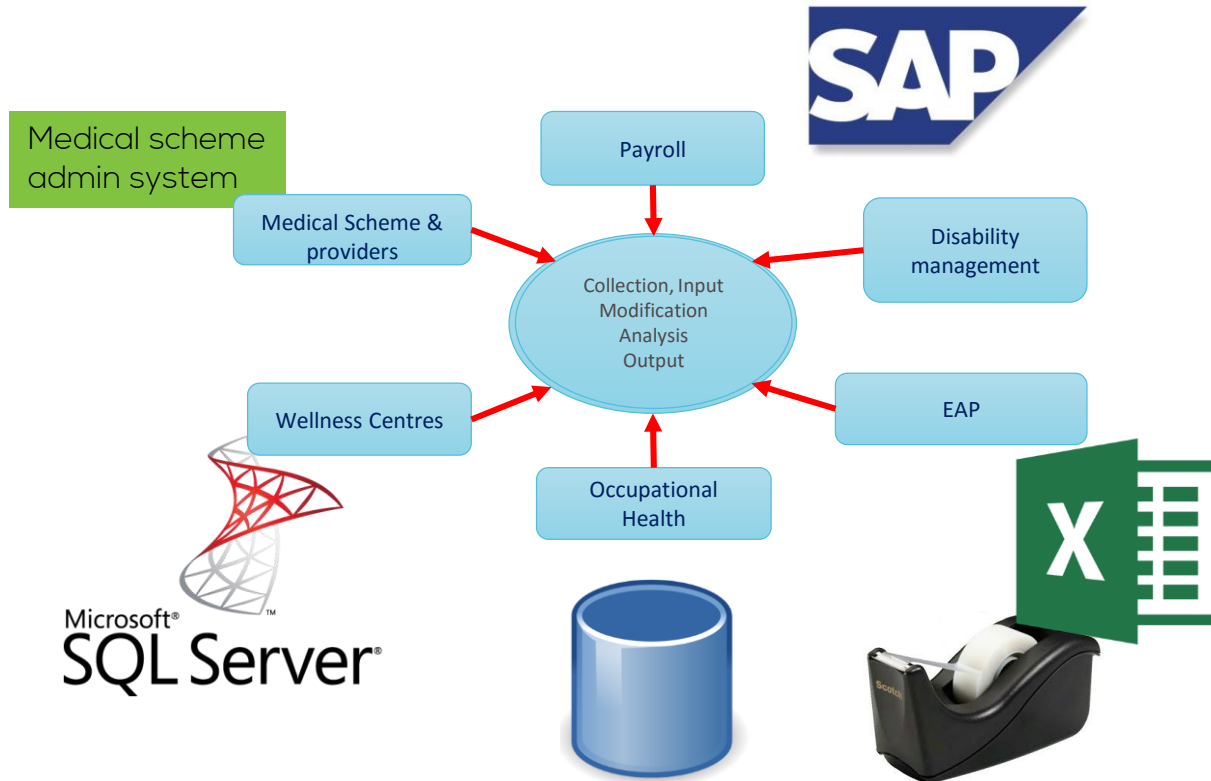


Business analytics requires a combination of expertise across business, information systems and mathematics.

3 Vs of Big Data



Dealing with “dirty data”



Audiences

