
This item was submitted to [Loughborough's Research Repository](#) by the author.
Items in Figshare are protected by copyright, with all rights reserved, unless otherwise indicated.

Big data and data analytics in SSCs

PLEASE CITE THE PUBLISHED VERSION

VERSION

AM (Accepted Manuscript)

PUBLISHER STATEMENT

This work is made available according to the conditions of the Creative Commons Attribution-NonCommercial-NoDerivatives 4.0 International (CC BY-NC-ND 4.0) licence. Full details of this licence are available at: <https://creativecommons.org/licenses/by-nc-nd/4.0/>

LICENCE

CC BY-NC-ND 4.0

REPOSITORY RECORD

Herbert, Ian P.. 2019. "Big Data and Data Analytics in Sscs". figshare. <https://hdl.handle.net/2134/25430>.



The Official Preparation Camp
Headquarters for Team GB



Organising for data analytics and big data

**Ian Herbert, Deputy Director, Centre for Global Sourcing and Services,
School of Business and Economics – *Research project funded by CIMA***

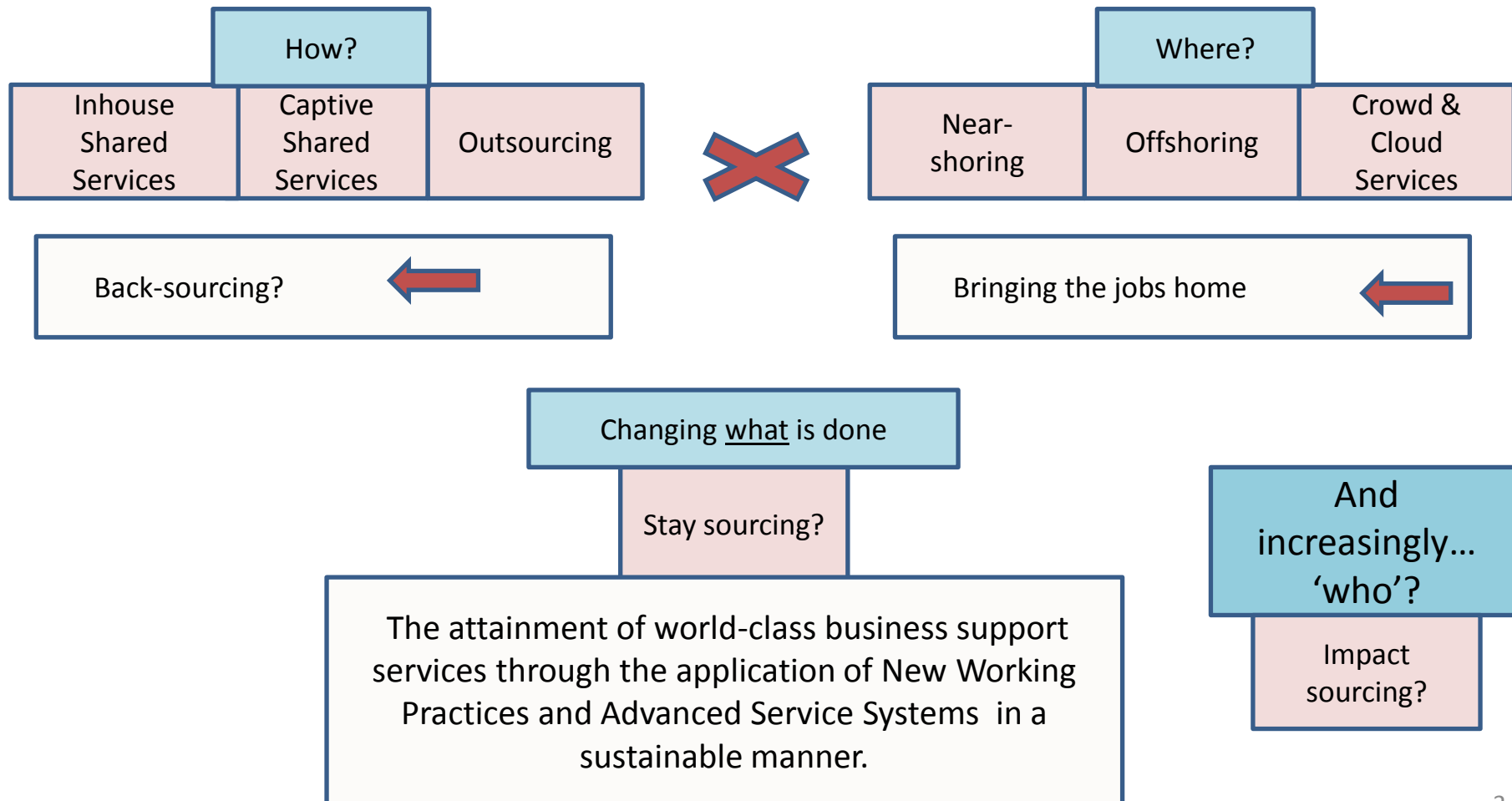
The Centre for Global Sourcing and Services



**Nothing's changed
but everything's different!**

What we do?

“The Centre is dedicated to carrying out both academic and ‘focus on practice’ high impact internationally renowned research on how organisations source and manage business and IT services in a global context”.....*Centre for Global Sourcing and Services Website*

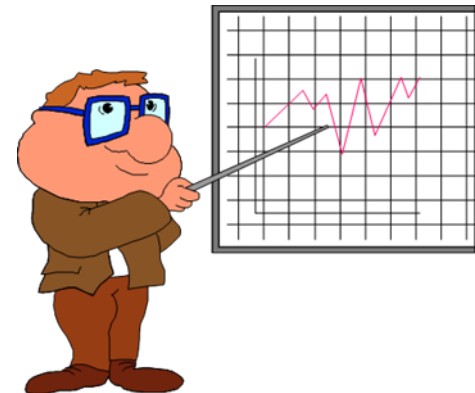




Some people will spend a lot of time getting data analytics right,
and a lot of people will spend some time getting it wrong.

There are significant opportunities for generating insight through data analytics and big data. But...

- ... research by Loughborough University's Centre for Global Sourcing and Services suggests that this potential may not be realised if organisations do not ask the right questions about the links between
- business partners,
- business process centres, and
- business units.



Data analytics & big data

- Whilst corporate-wide master data has improved significantly in recent years, big data requires new thinking.
- This means creating a different culture that values and leverages data to better support global end-to-end processes which deliver real outcomes.

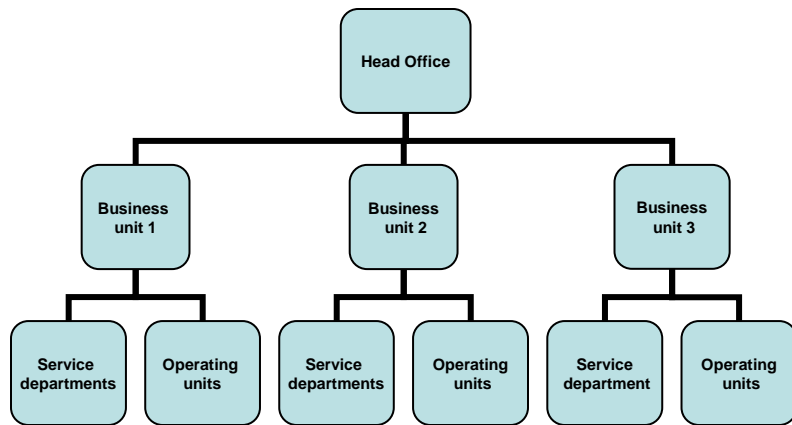


But first, a 'recap'.....

What is the essence of the SSC model?

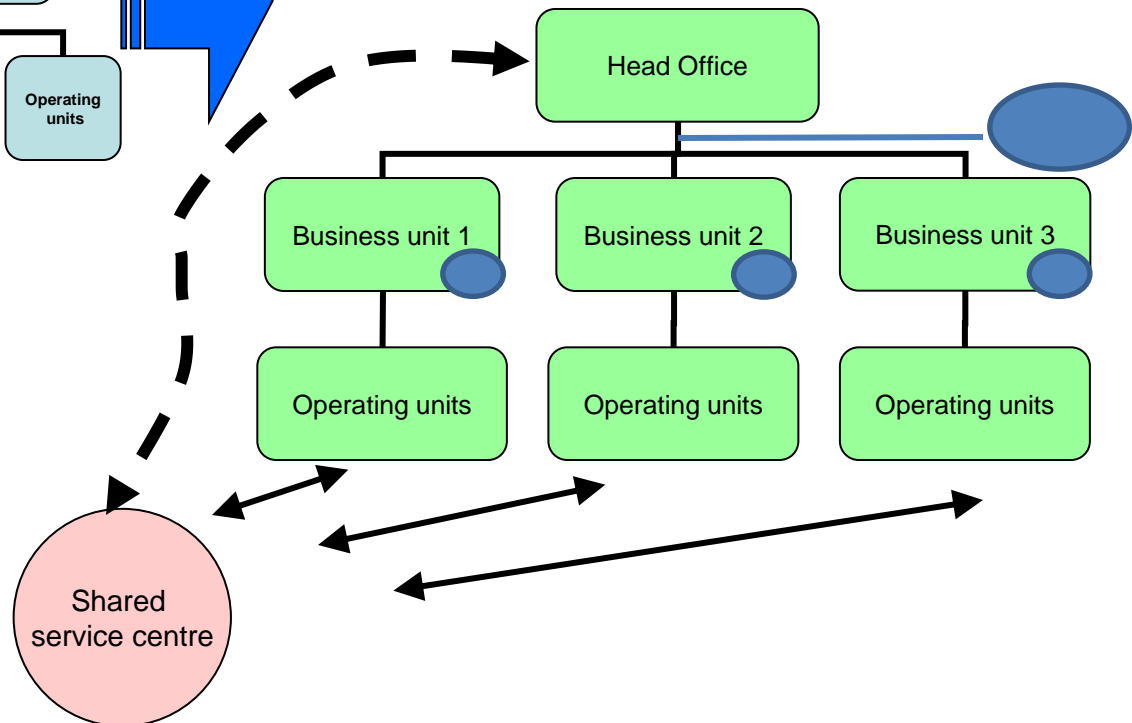
A simple idea that needs no big agenda!

Moving to a Shared Service Centre Model



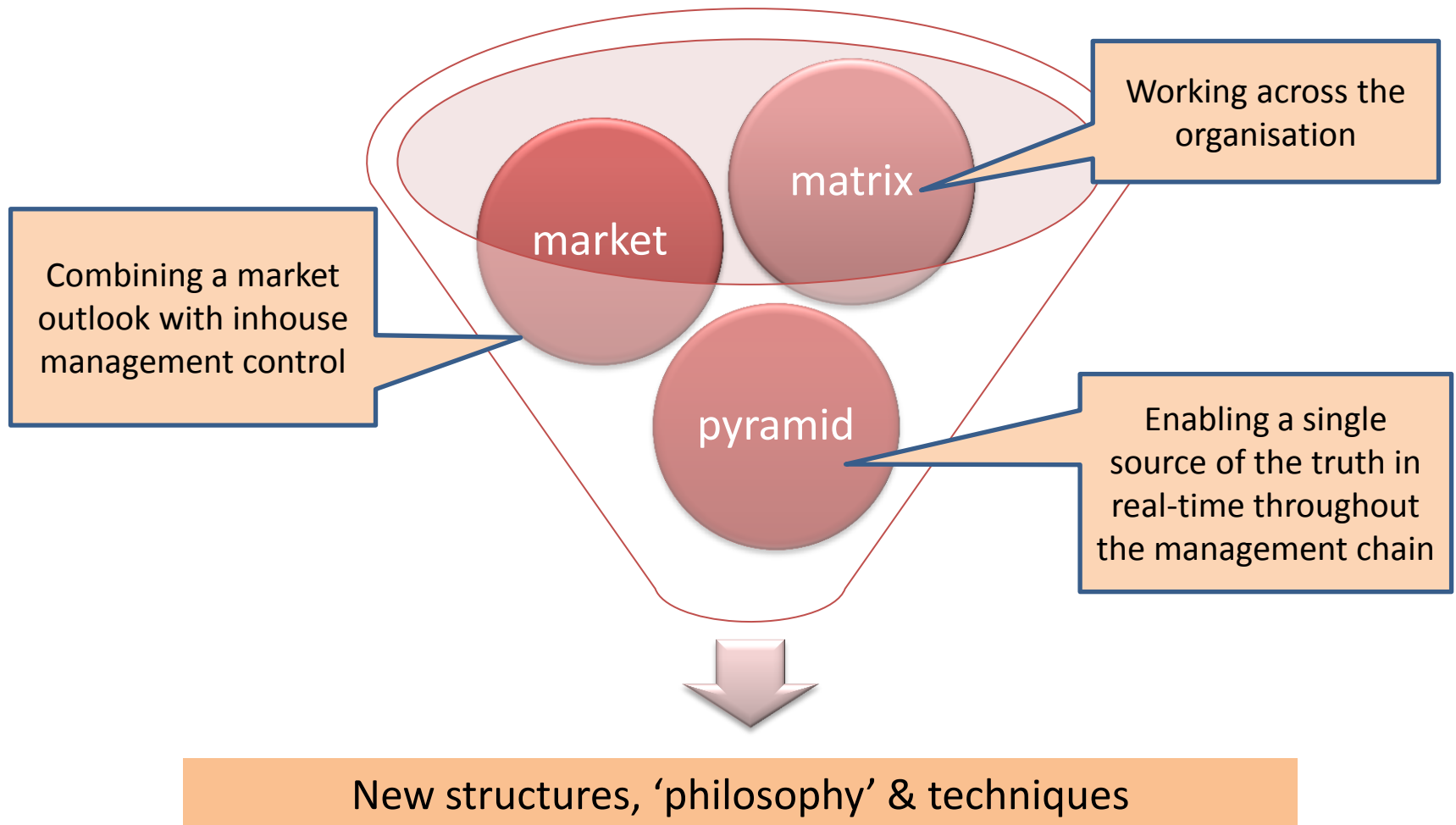
Conventional Divisional structure
(support services embedded)

Shared service centre structure



Semi-autonomous
Thinking like a business
Networking & benchmarking

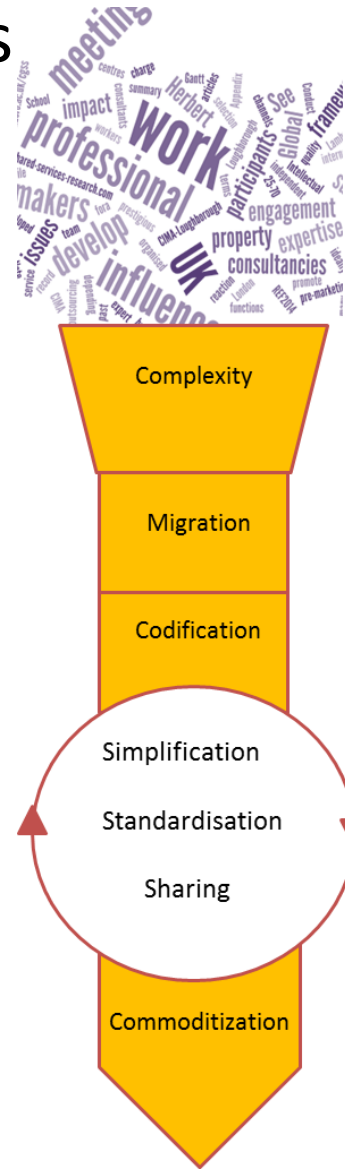
More than just a new organisation chart - The SSC model blends different approaches



Shared service (&BPO) - Success factors

- ✓ Simplification
- ✓ Division of labour/deskilling
- ✓ Standardisation
- ✓ A single version of the truth
- ✓ Objective/independent
- ✓ Scalable
- ✓ Efficient & continuous cost reduction
- ✓ Finding the cheapest place on earth
- ✓ Networking and benchmarking
- ✓ Invisible to the business
- ✓ Phased migration, building on the wins

But... are these strengths compatible with the 'brave new world' of data analytics?



Organising for data analytics and big data

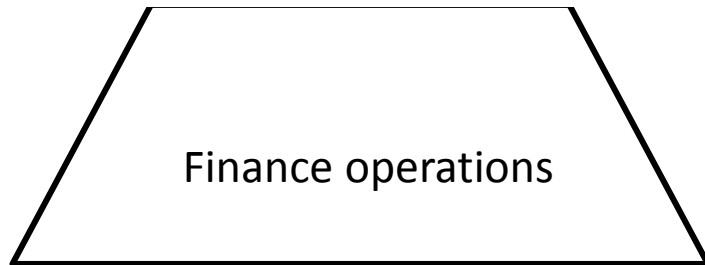
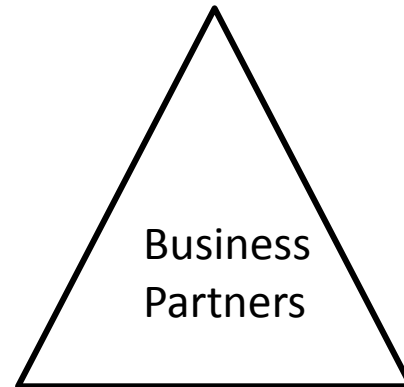
- Big data is messy and its application needs to be tailored around individual business problems.
- Data analytics: needs new structures and thinking to go with the technical opportunities?
- But, what if the talent pipeline dries up as the professional 'training camps' are offshored ?

Segregated finance?

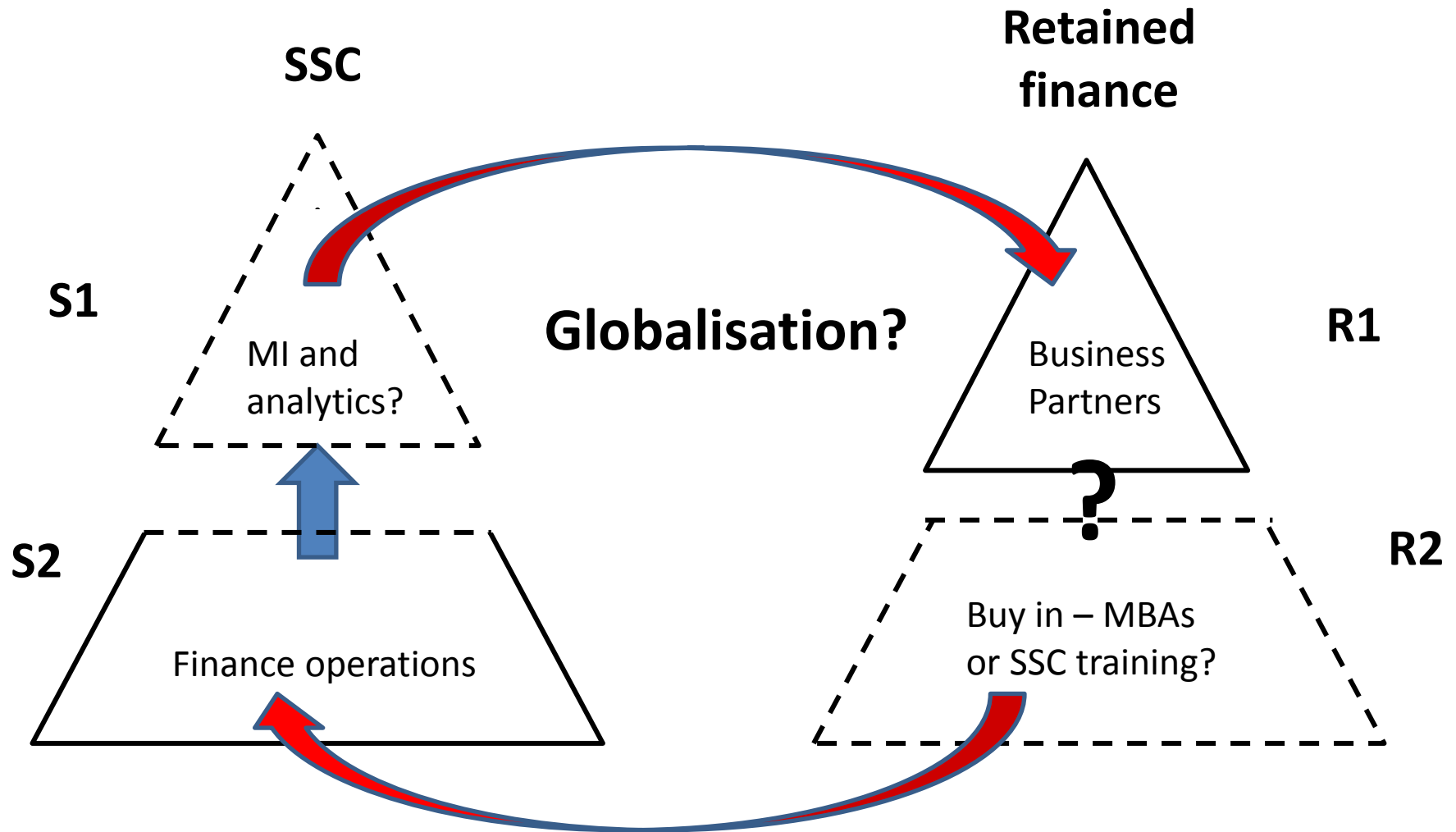
SSC

**Retained
finance**

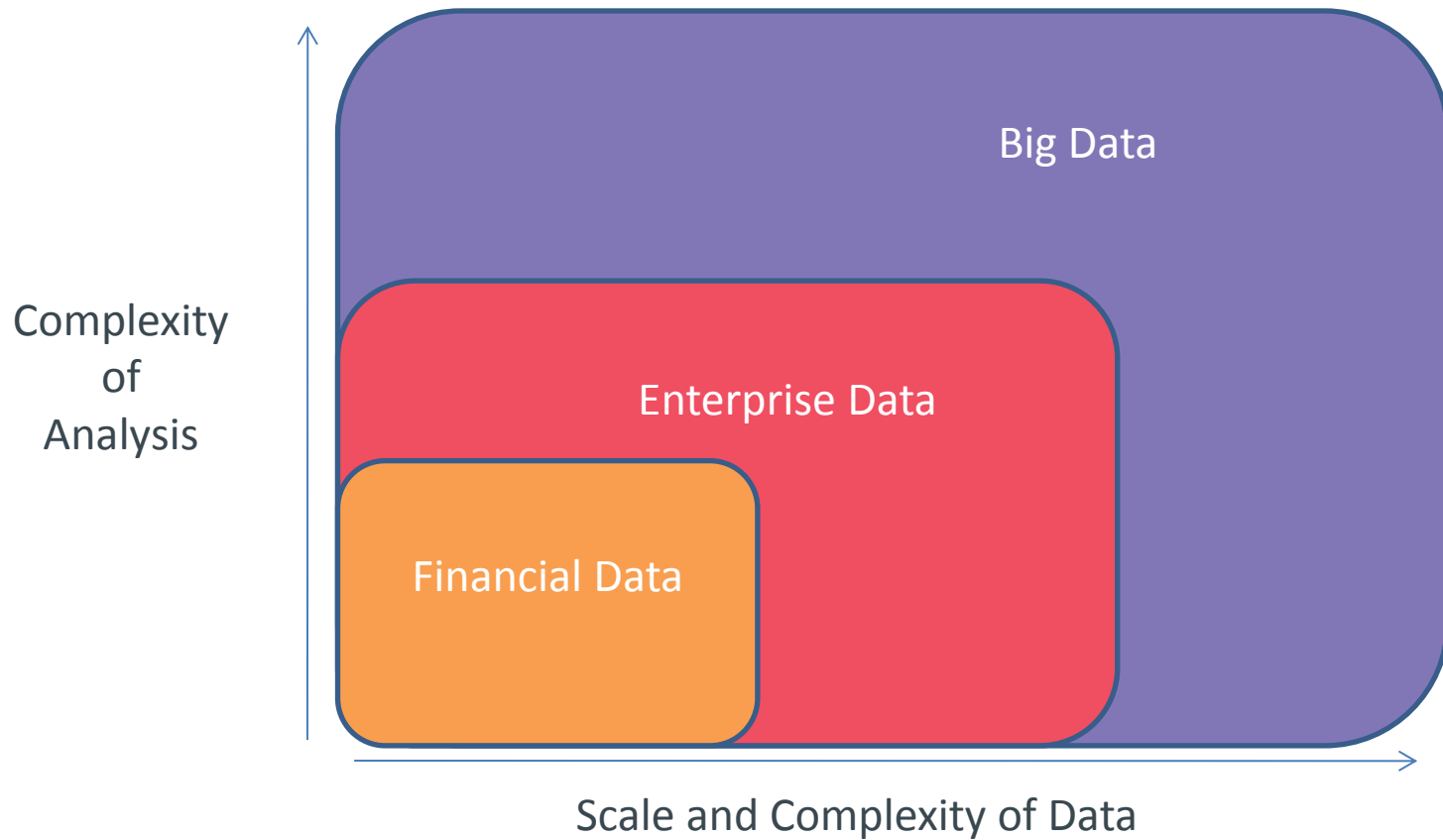
Globalisation



Segregated finance?



Data analytics?



But before we go on..

What is essence of 'big data'

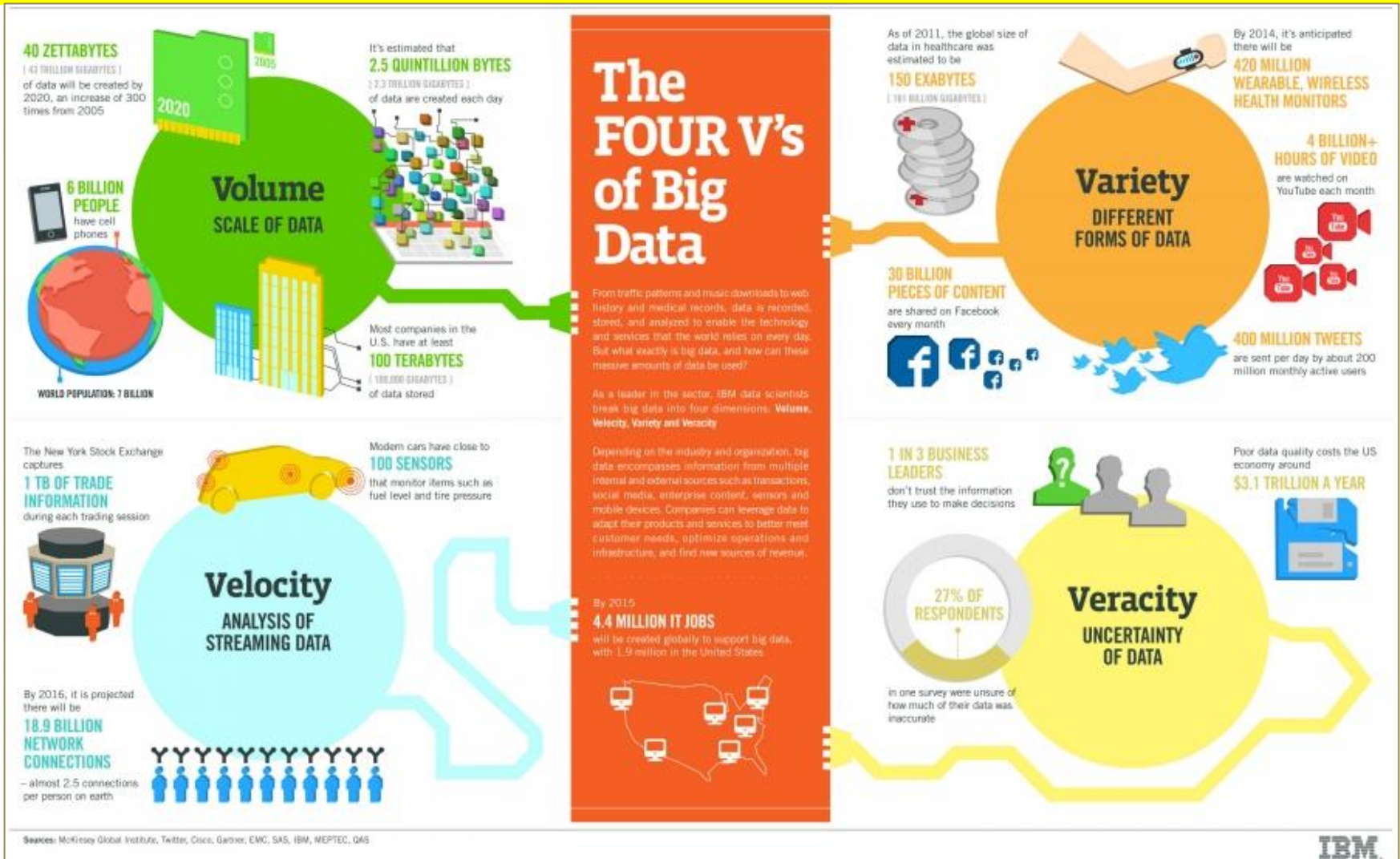
And,

is it just a fad?

“Big data” refers to datasets whose size is beyond the ability of typical database software tools to capture, store, manage, and analyze.

(Big data: The next frontier for innovation, competition, and productivity, McKinsey Global Institute, June 2011)

WHAT IS BIG DATA – THE 4 V's?





timoeiliott.com

"I think you'll find that mine is bigger..."

What is the basis for finance professionals' claim to be well placed to help unlock Big Data?



Insight, influence and impact requires...

- Inspiration/creativity
- Leading-edge expertise
- Broad views & multidisciplinary collaboration
- Business connectivity & understanding
- Data security
- Intelligent information users
- Interpersonal skills

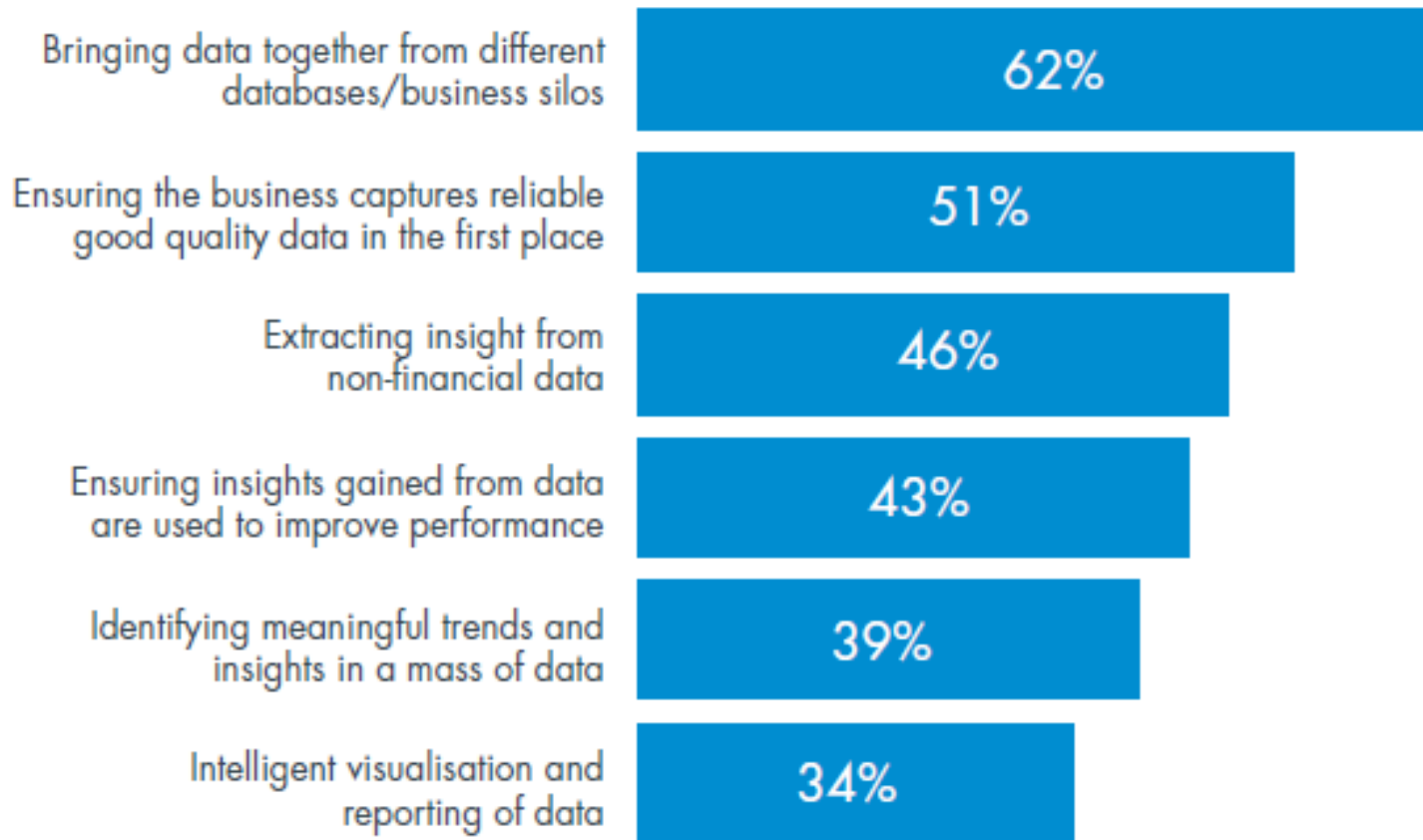


CIMA Survey 2015

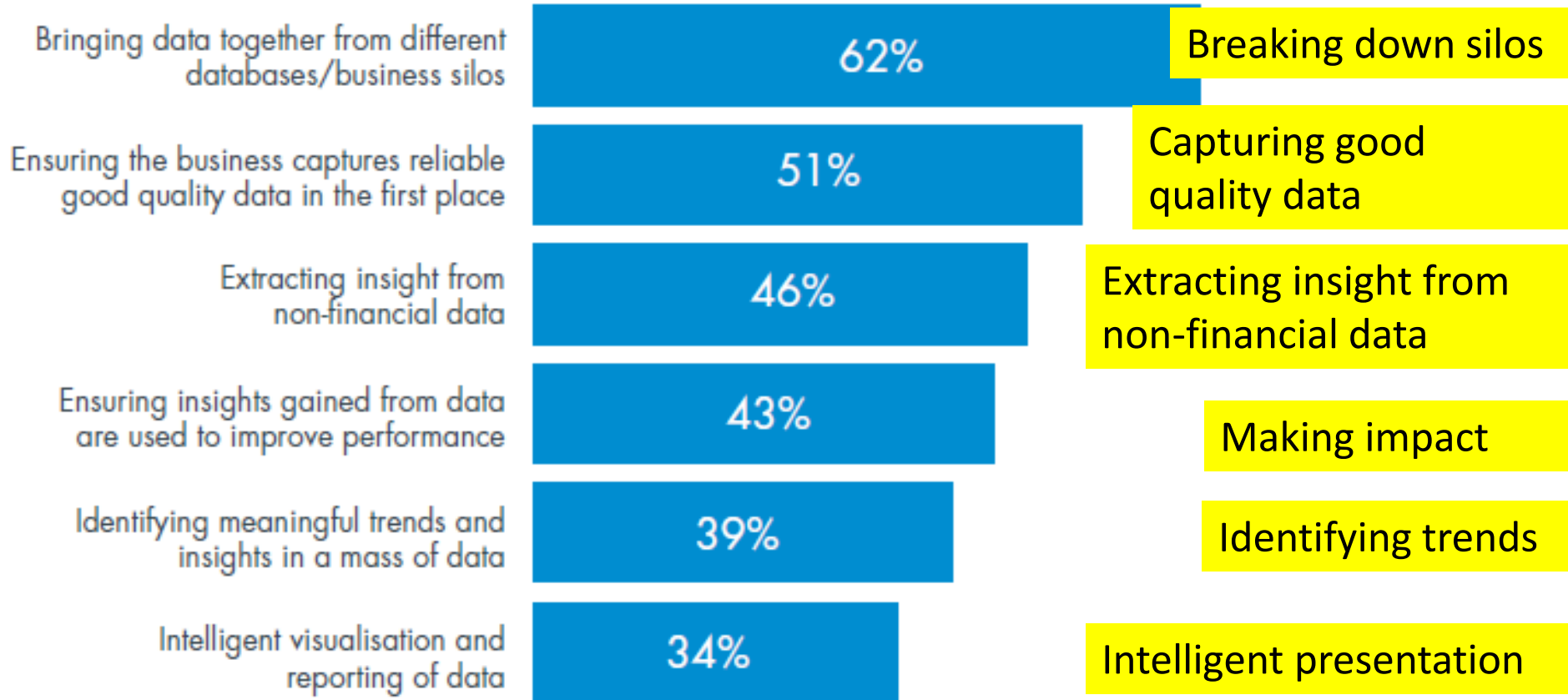
- For most companies, fully adapting to a data driven era of business remains a work in progress.
- ‘86% of the finance professionals we surveyed agree that their businesses are....

... struggling to get valuable insight from data, not least due to issues such as organisational data silos, challenges relating to data quality, or difficulties in working with unfamiliar non-financial data.’

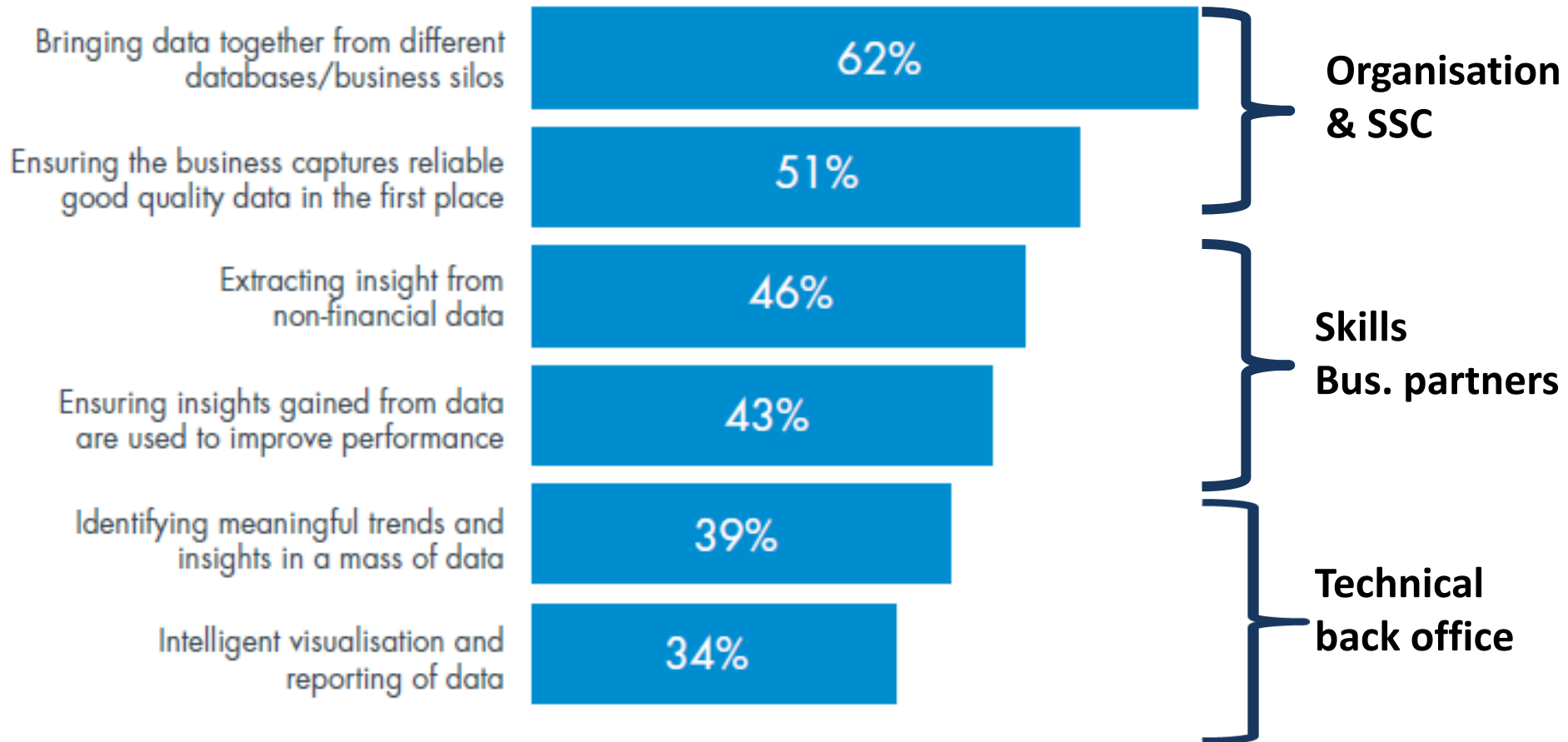
Challenges in harnessing Big Data



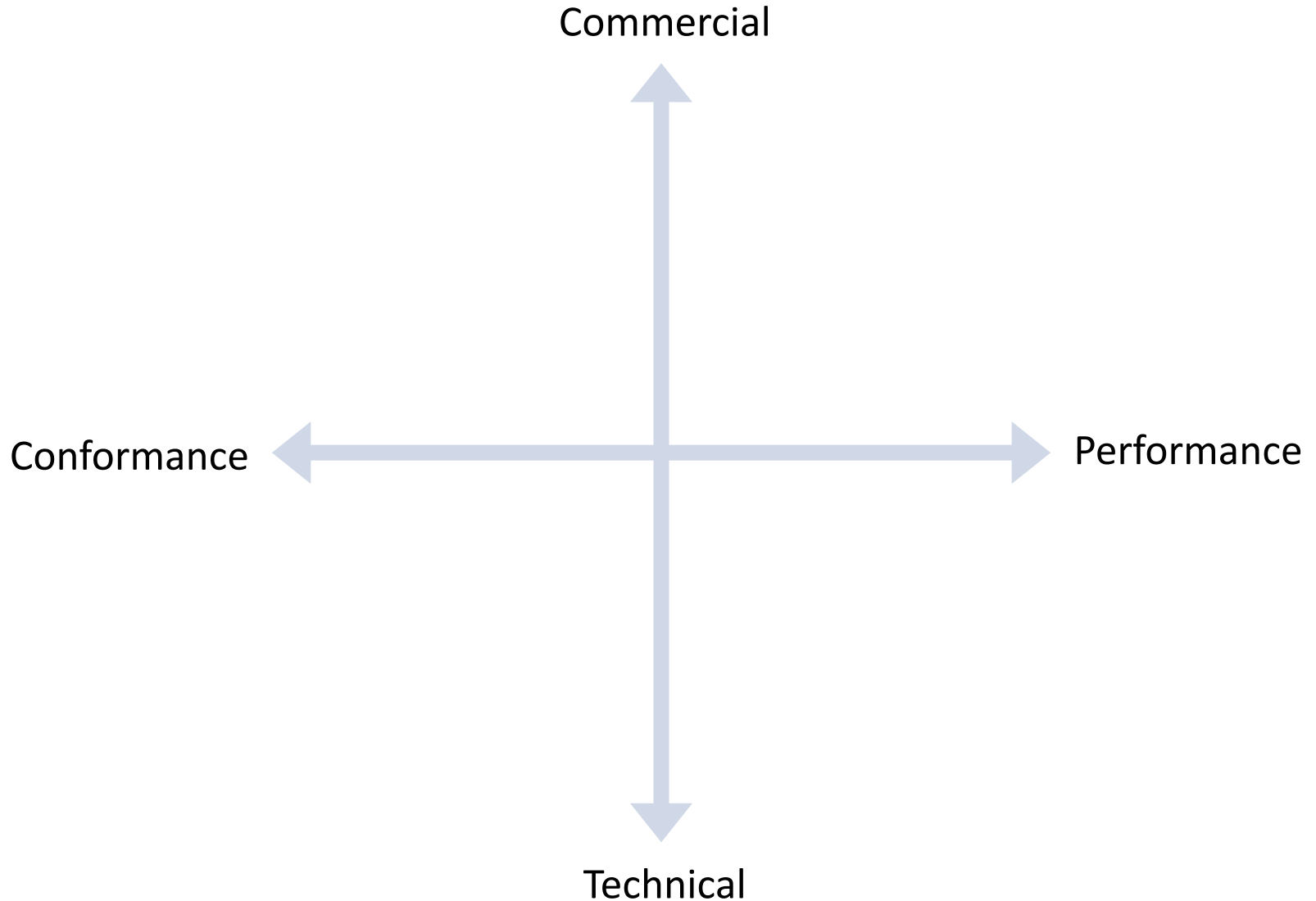
Challenges in harnessing Big Data



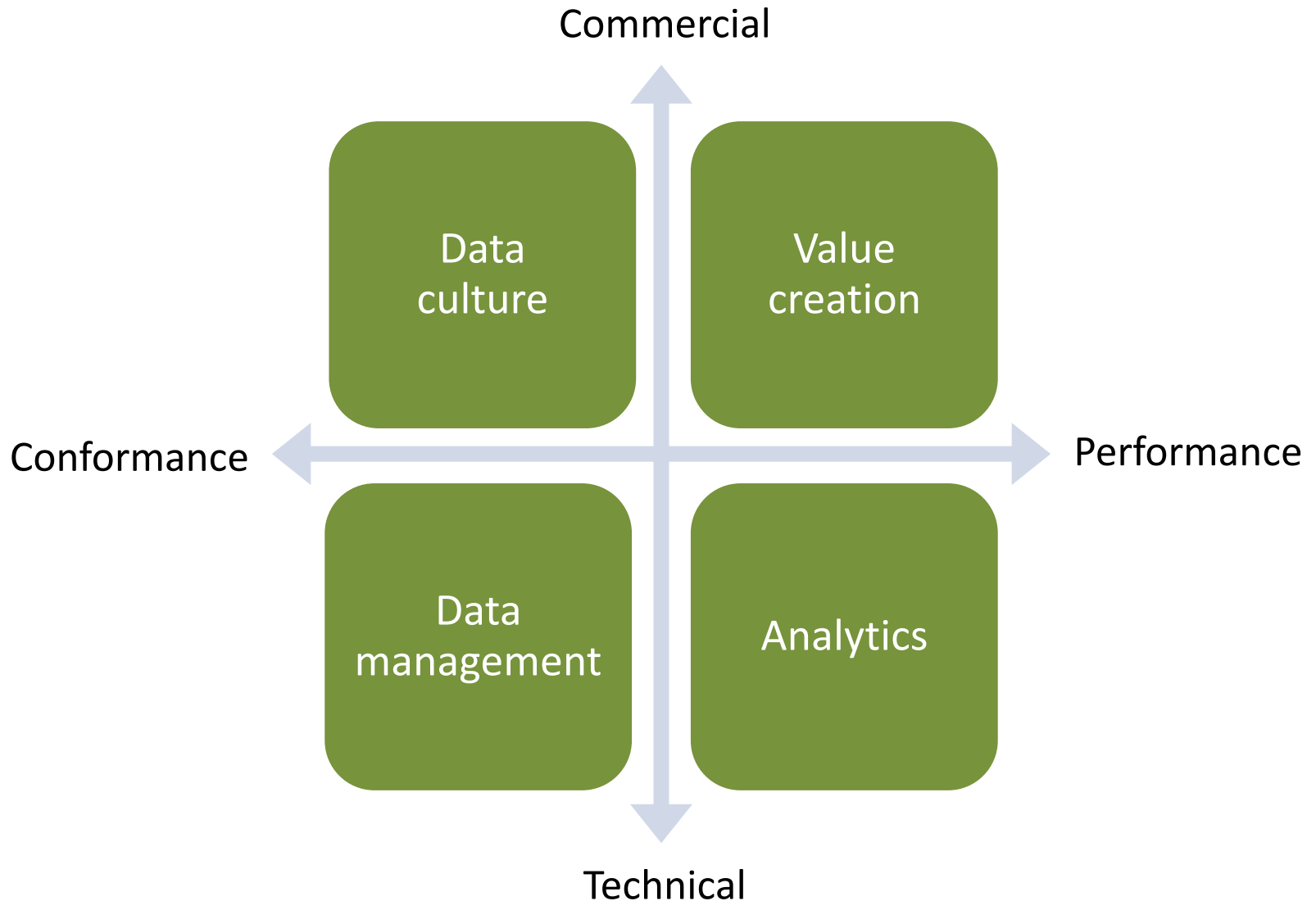
Challenges in harnessing Big Data



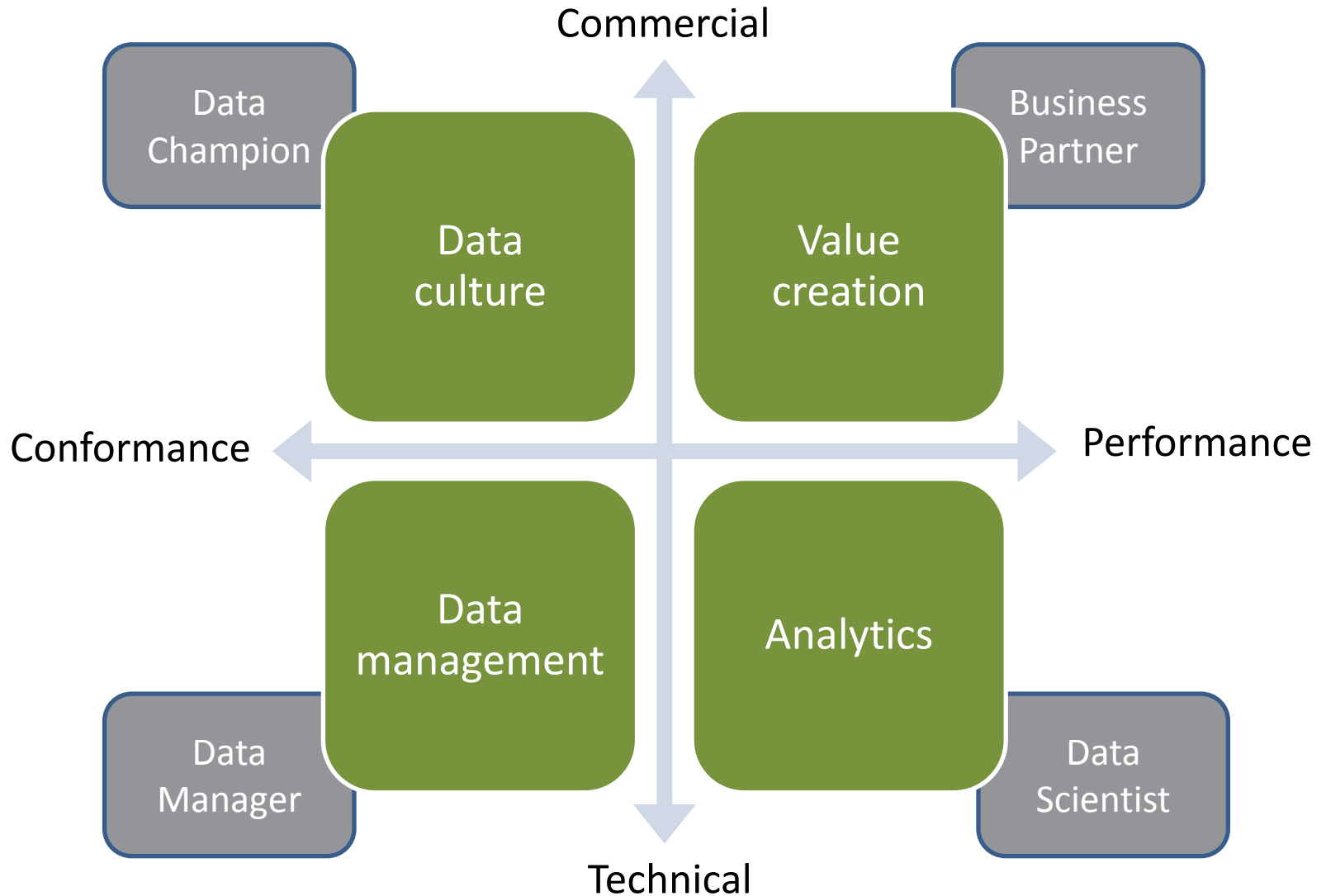
The competencies required for data analytics



The competencies required for data analytics



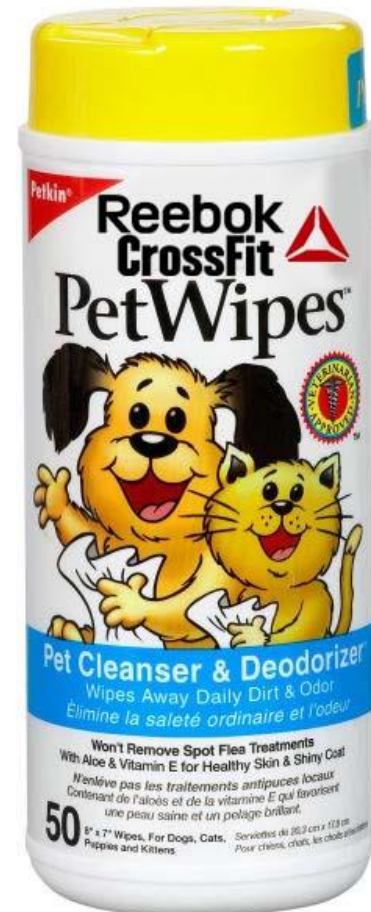
New roles for management accountants



Insight – an example of product extension



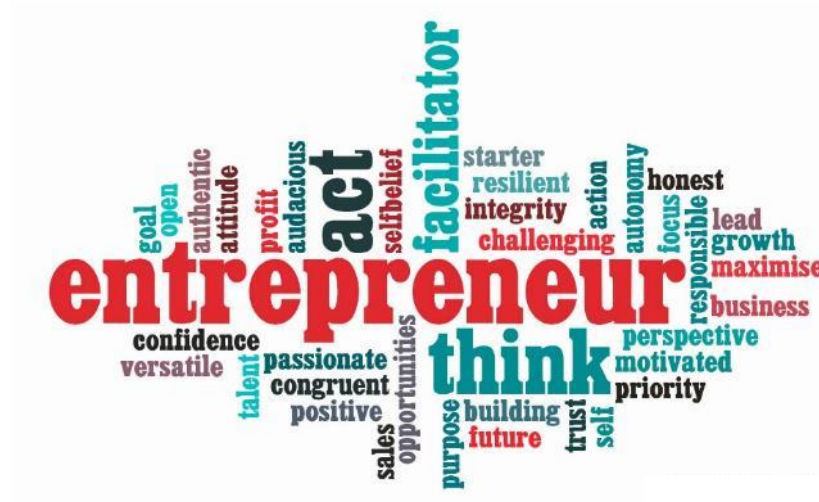
Baby wipes



Routes to enlightenment?



inspiration



consultant

n



actual data



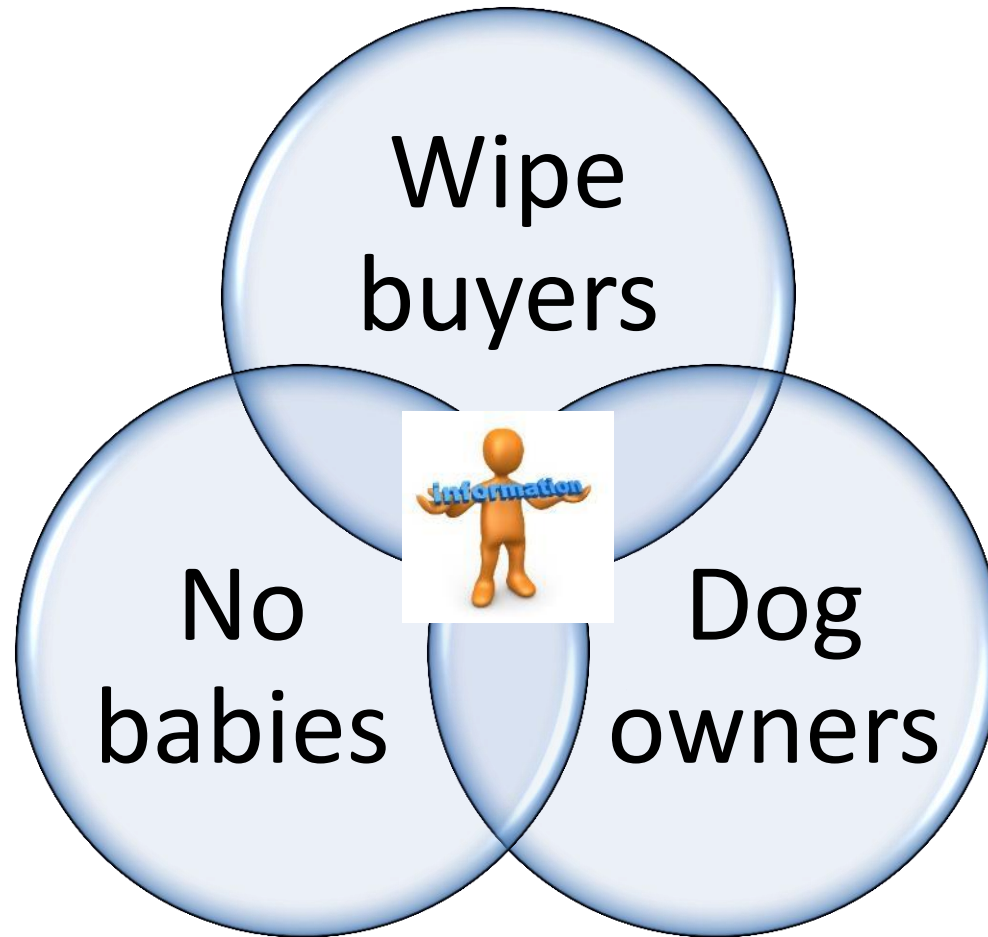
brainstorming



intention data



Insight from data – people without babies buy baby
wipes – but WHY?

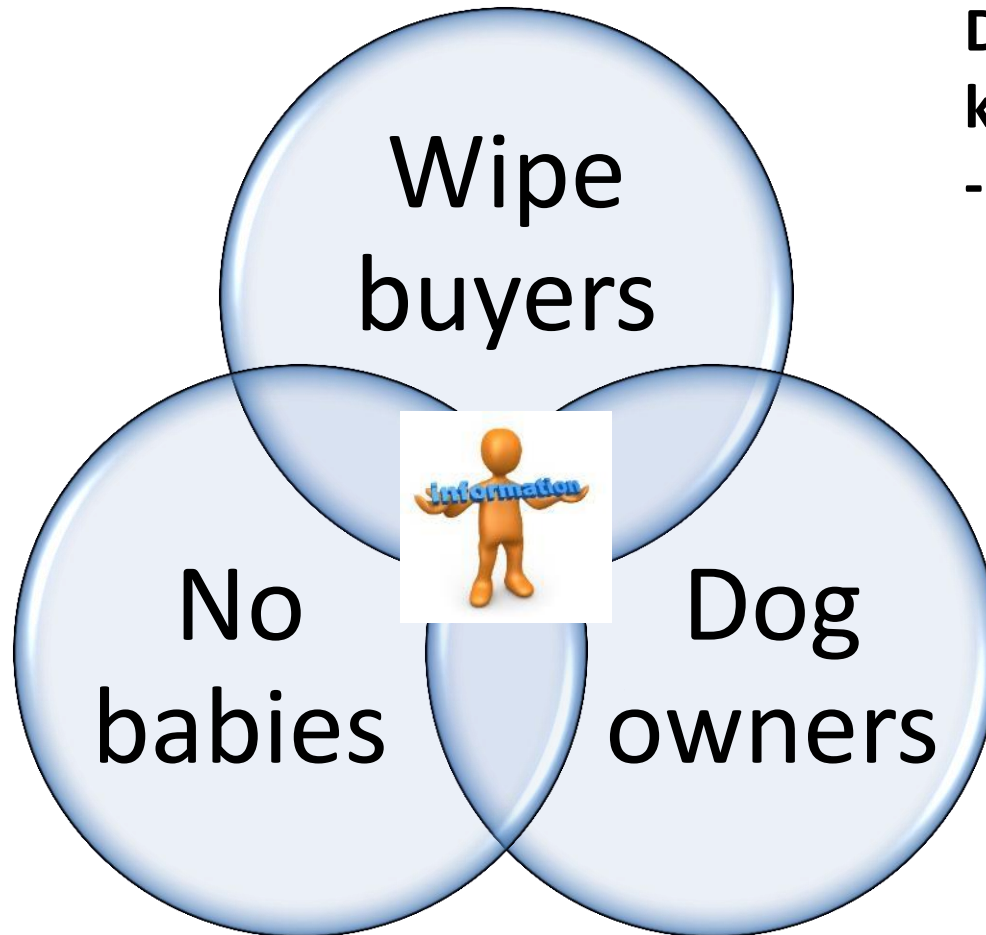


Insight from data – people without babies buy baby
wipes – but WHY?

**Expert
knowledge?
- explicit**



**Paralysis
through
analysis?**



**Domain
knowledge?
- tacit**



**Extinction
through
intuition!**

Questions?





Search

Welcome!

- Project overview
- News and events
- Our Work
- Our Publications
- The SSC Forum
- In the Spotlight
- Links and resources
- The Team
- Contact Us



Shared Services Research

Thought Leadership from Loughborough University



Welcome!

Welcome to the Shared Services Project Website: A Resource for Academics and Practitioners

Here we'll tell the story of our investigation into the emerging phenomena of the Shared Services model. Through speaking with leading companies we have discovered a real need to understand the Shared Services model and come together to formulate best practice.

News

- [Andrew Rothwell to present at Universities UK conference](#)
- Malaysia Activity Report
- Intellectual capital: Optimising performance in SSC's
- Ian Herbert Participating in CIMA Expert Roundtable – 15th January 2013
- CIMA-Loughborough Sourcing event – 18th January 2013 – Colombo, Sri Lanka

Andrew Rothwell to present at Universities UK conference

If you have any query on the project, a story to tell from your Shared Service Experience, or if there is anything you would like to see added then please contact the team on ssc-research-team@lboro.ac.uk or let us know what you think through our Discussion Board.

In the Spotlight

Revisiting Ian Herbert and Will Seal's 2011 article 'Shared Services as a new organisational form: some implications for management accounting' – can you see any other issues that we must consider? **Join the discussion by clicking [here](#).**

This project is supported by the Chartered Institute of Management Accountants

www.shared-services-research.com