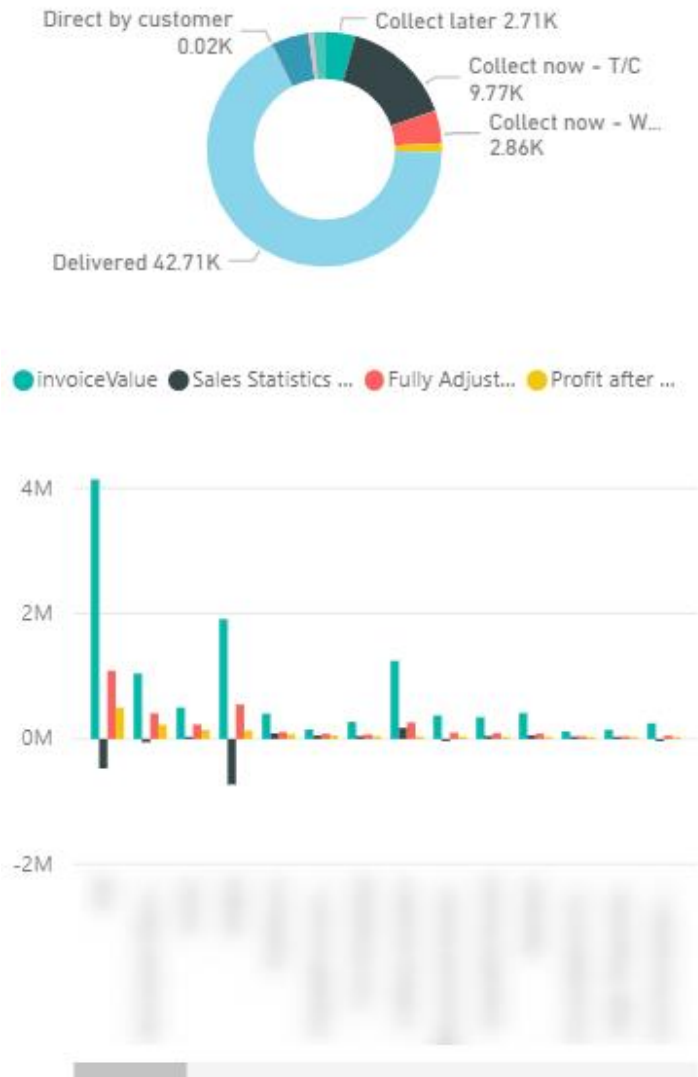


Blurring the lines between GIS and BI

Pete Edmonds – November 2019
Marine Data Management and GIS Workshop



What am I going to talk about?



Rural Payments Agency



The Marine Data Exchange
www.marinedataexchange.co.uk



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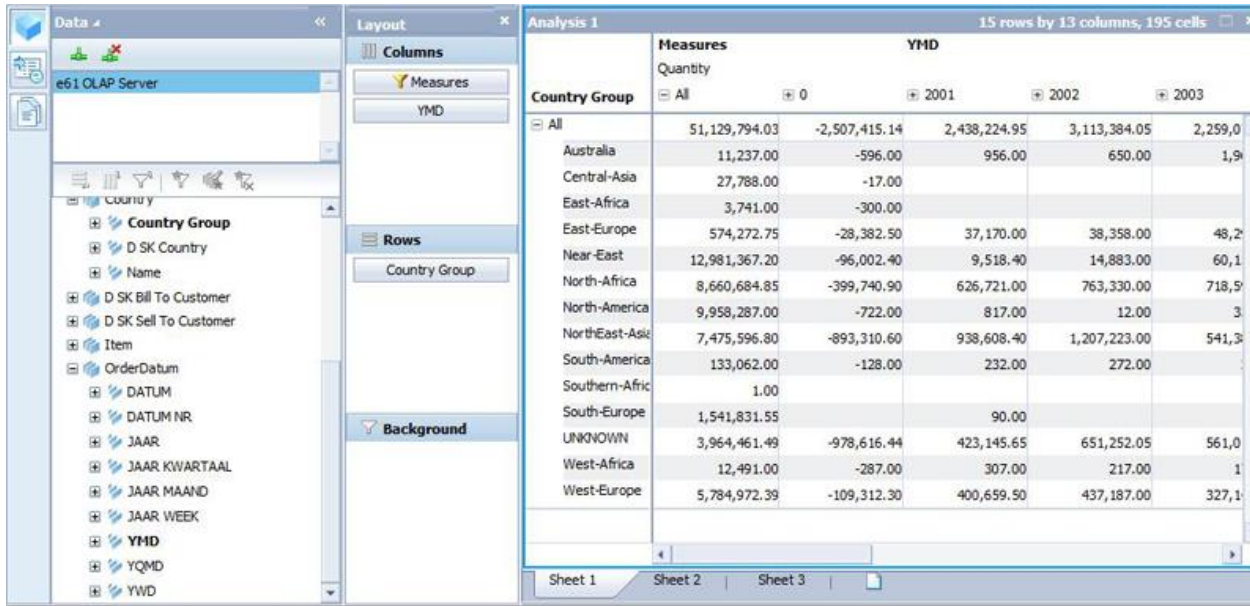
What is BI?

What is GIS?

Technology, capabilities and skills

Is GIS a dying art?

What next?

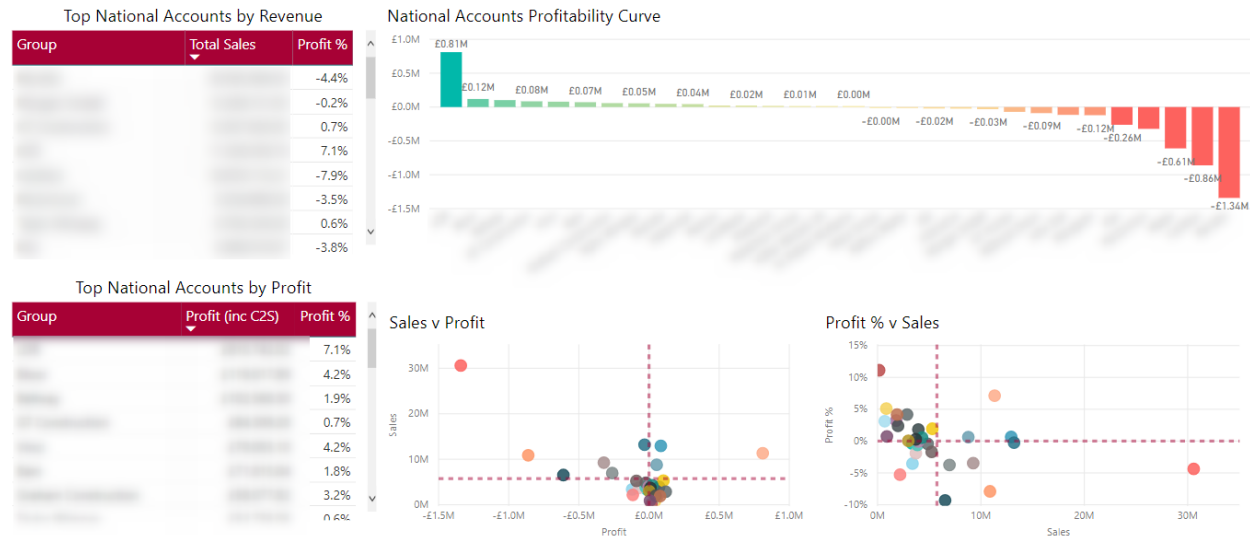


What is BI?

National A/Cs

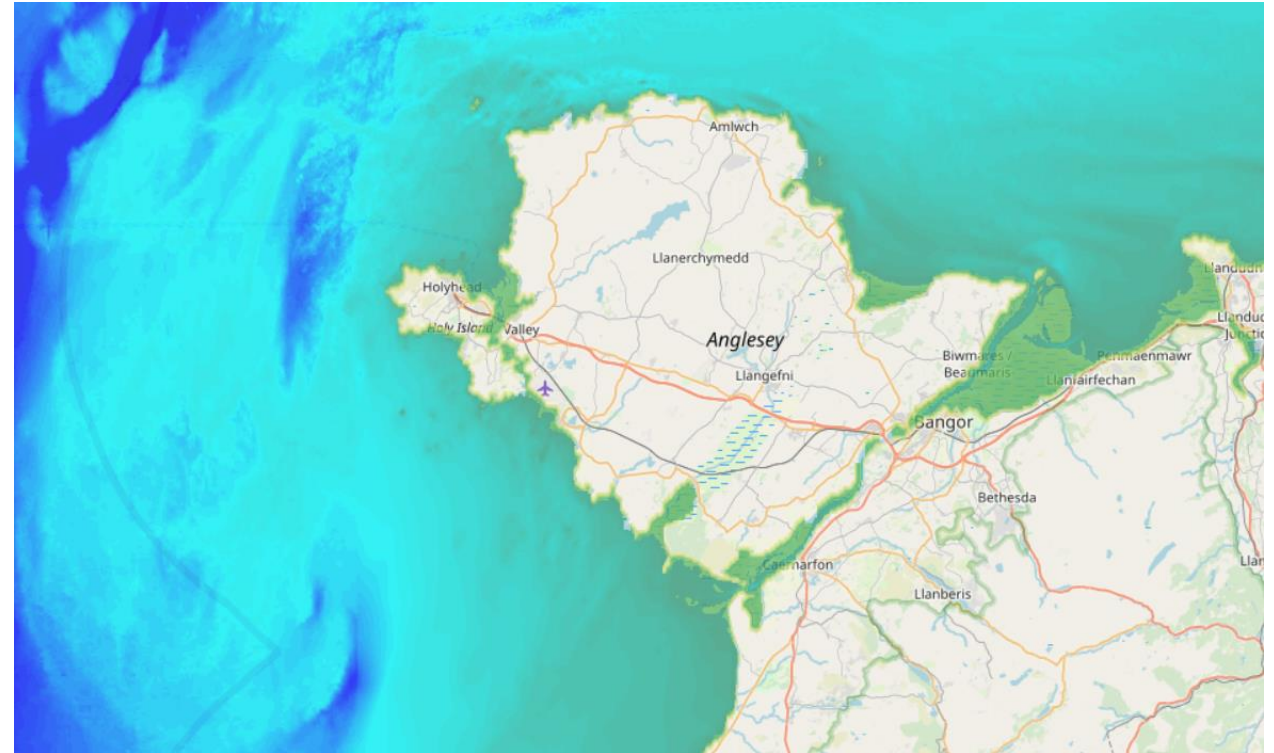
Sales	Order Lines	PAC2s	Products	Average Sales	Average COGS	Average C2S	Profit (inc C2S)	True Profit
172.3M	505.78K	123	13.76K	340.74	£295.62	-£49.74	-£2.33M	-1.4%

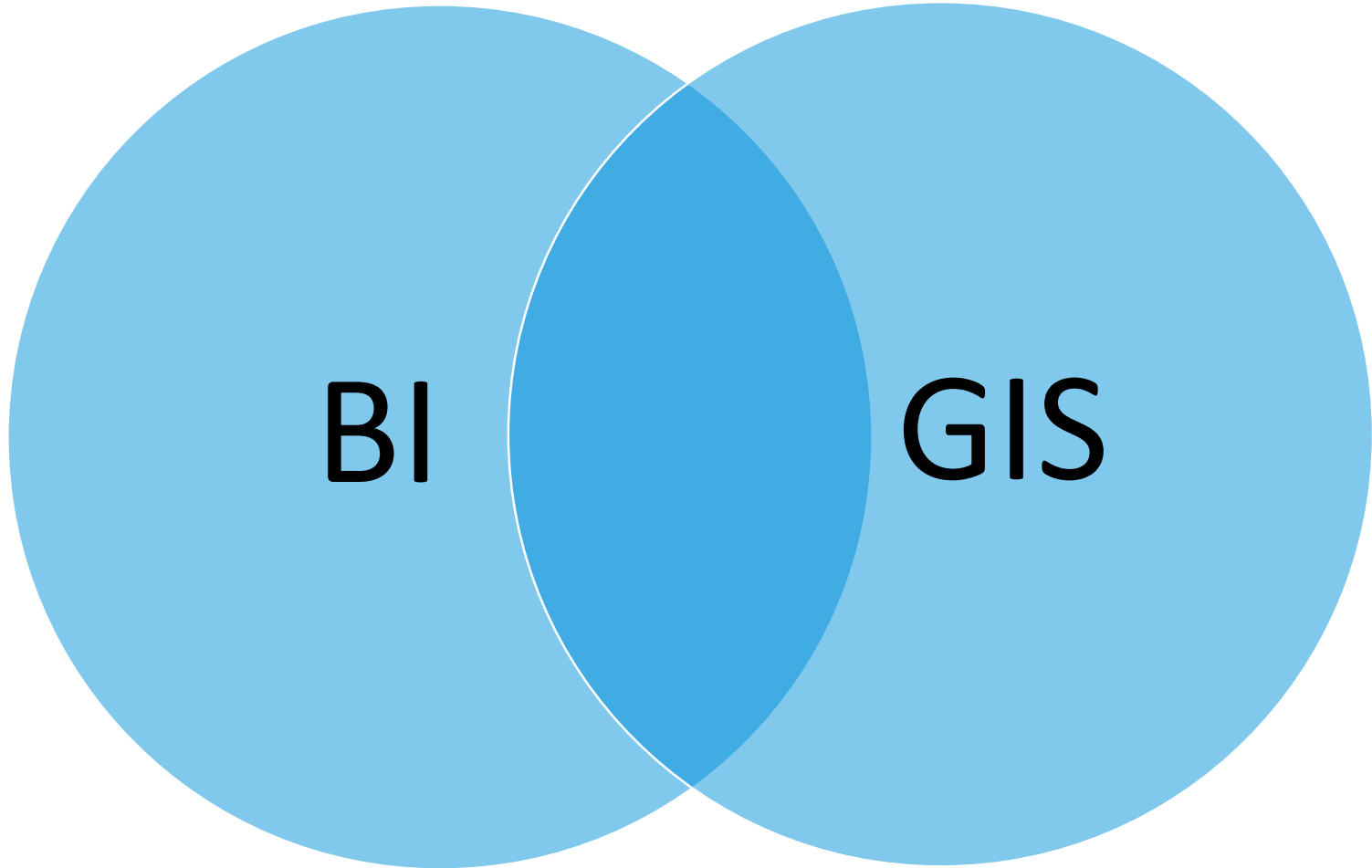
Business Intelligence provides historical, current and predictive views of business operations.

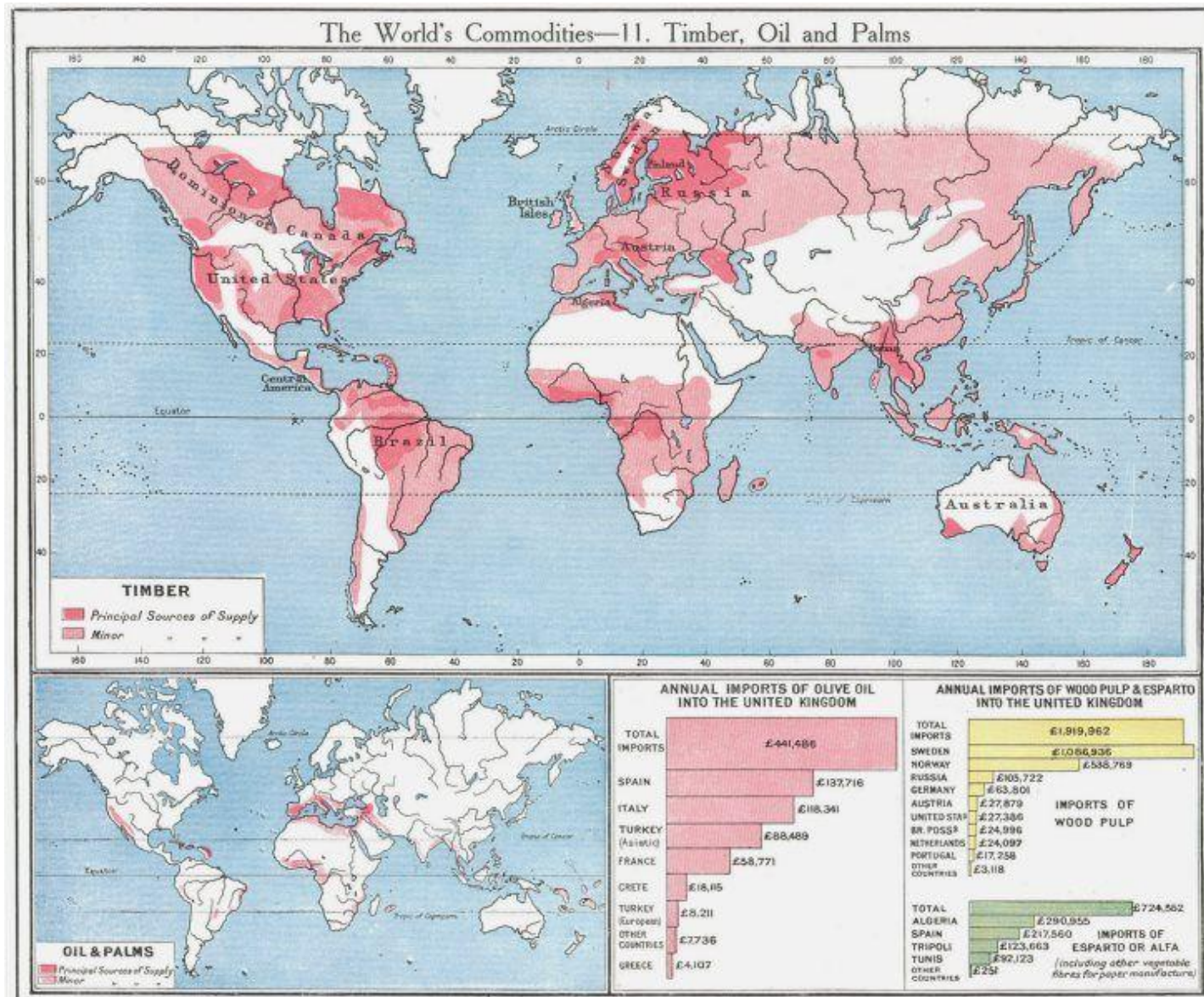
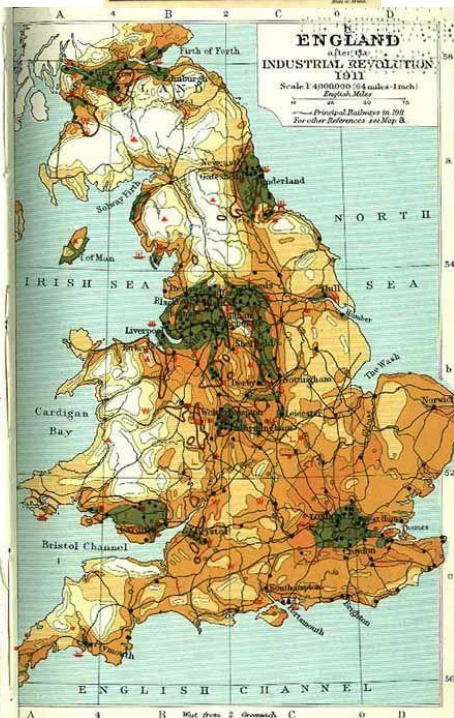
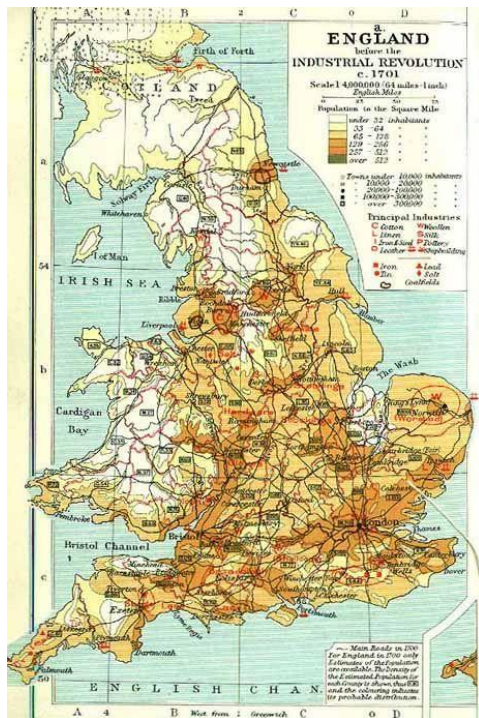
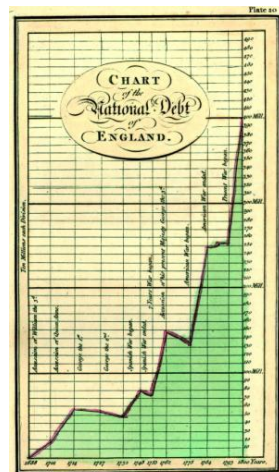
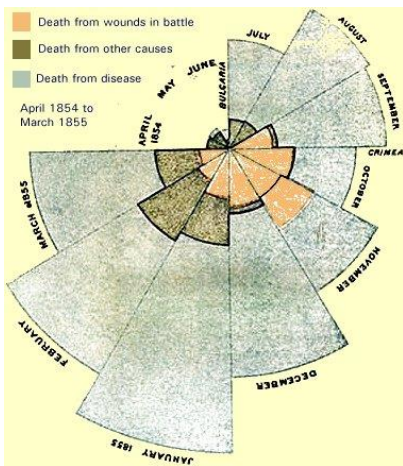


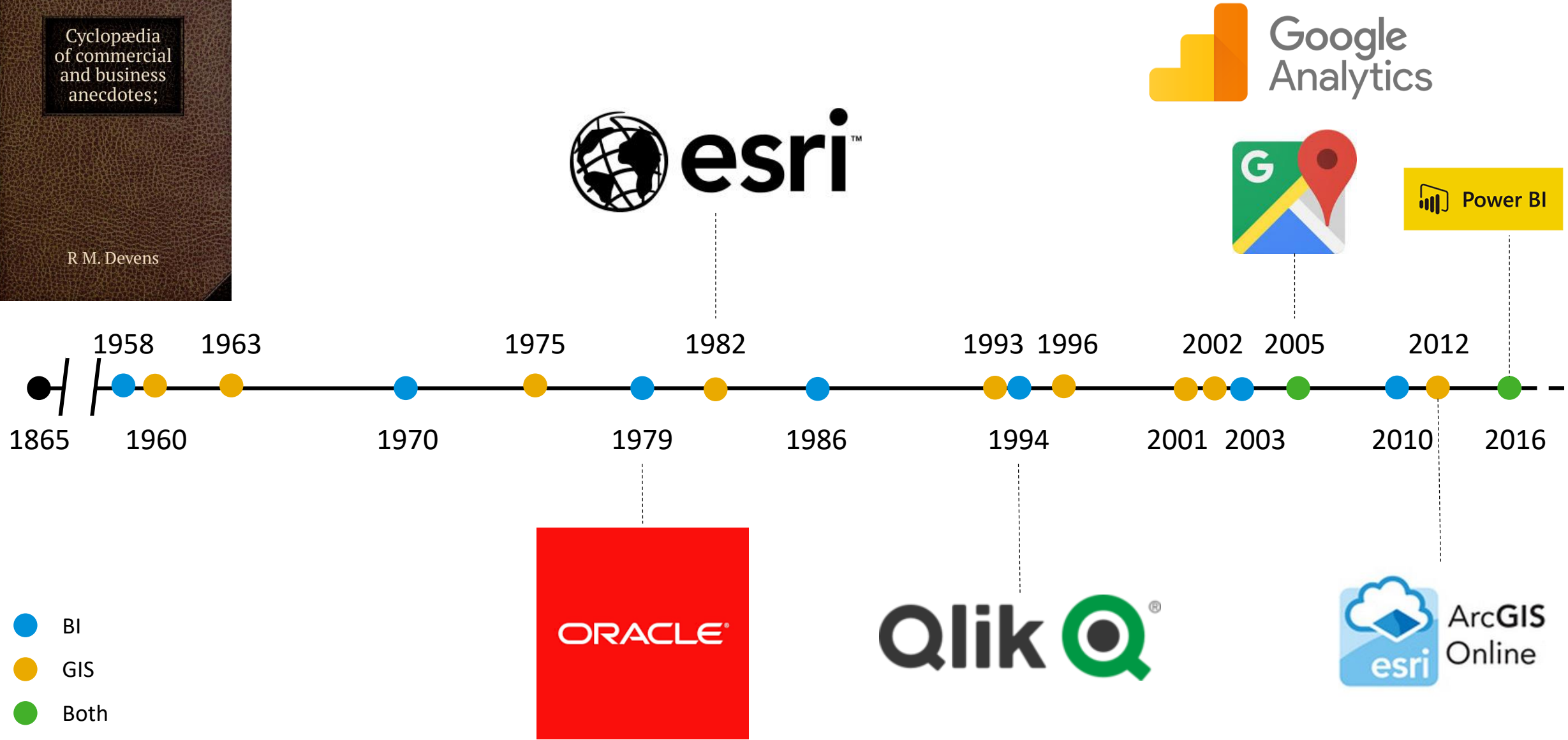
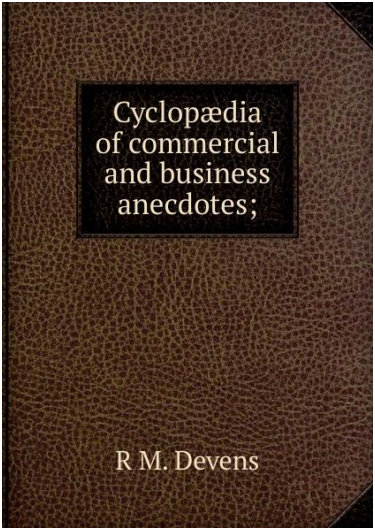
What is GIS?

Geographic Information Systems provide a way of capturing, storing, manipulating, analysing, managing, and presenting all types of geographical data





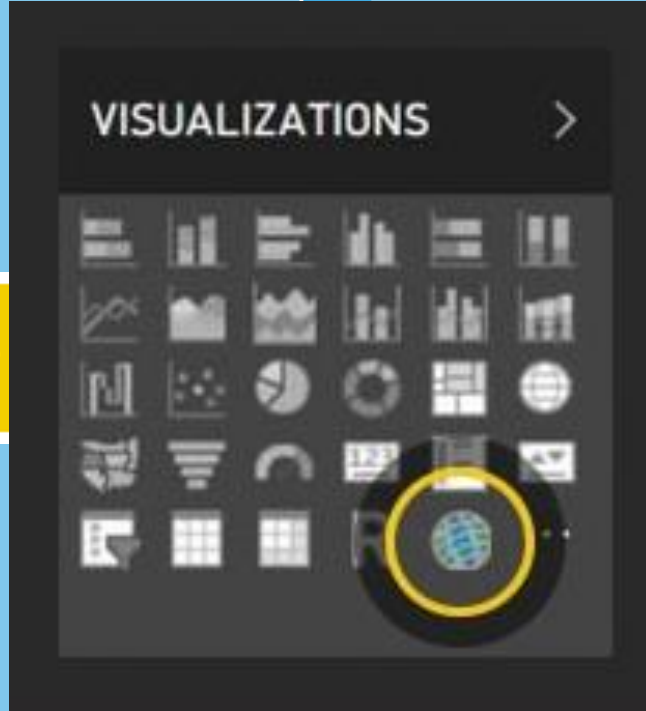




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What is BI?

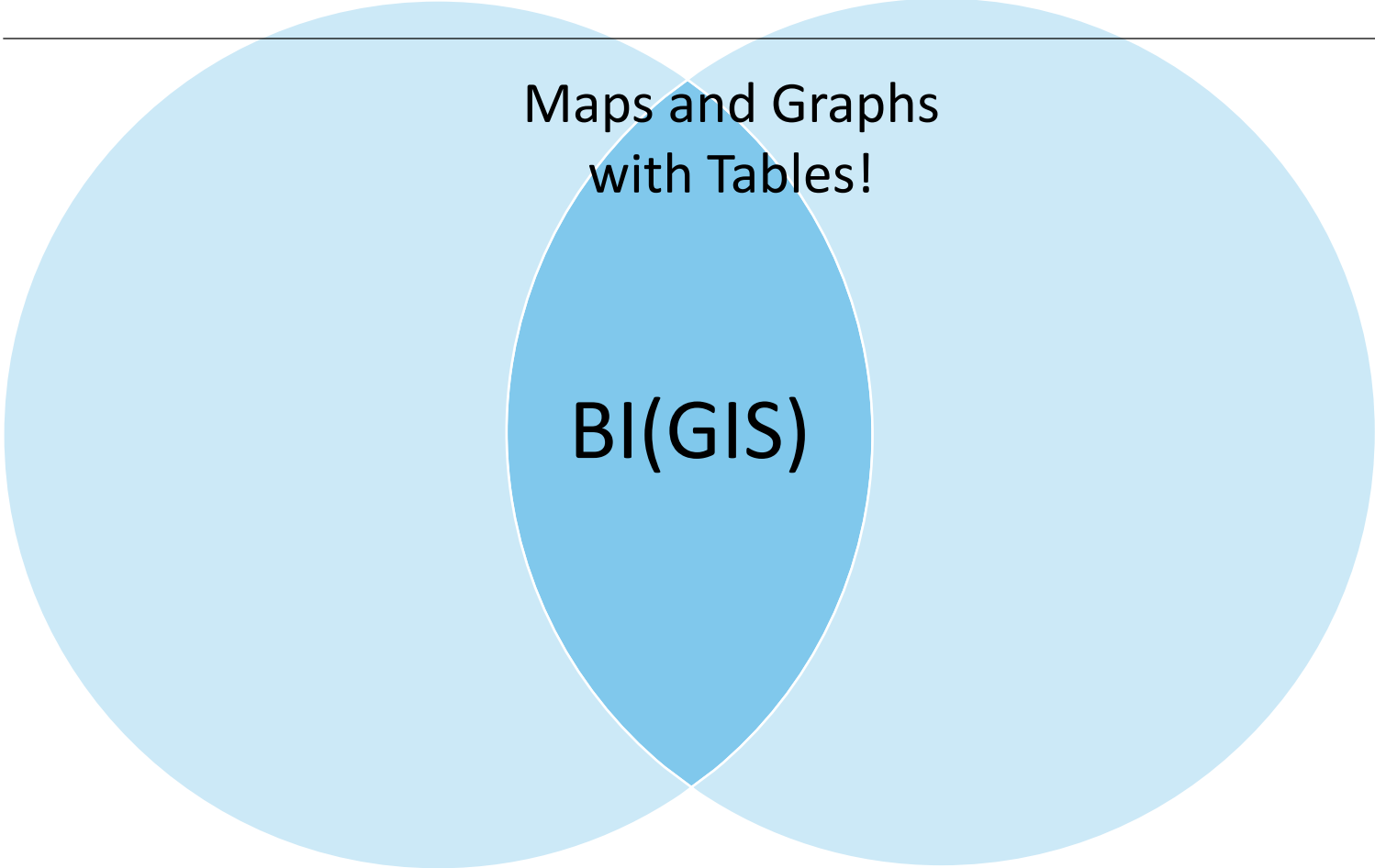
Graphs with Tables



What is GIS?

Maps with Tables

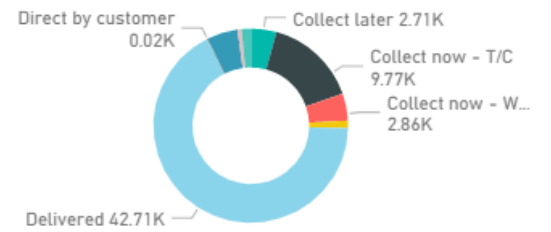
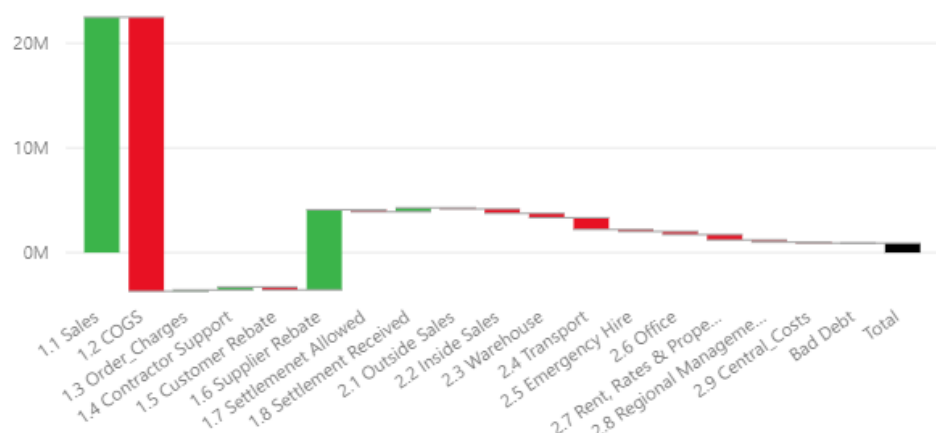
Business Intelligence (with GIS)



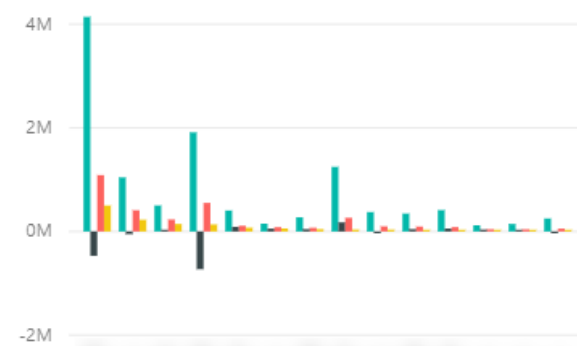
Summary

PAC2 Main Contractor Supplier Name Sales Person Customer month Branch Code Branch Name
 All All All All All All All Heathrow

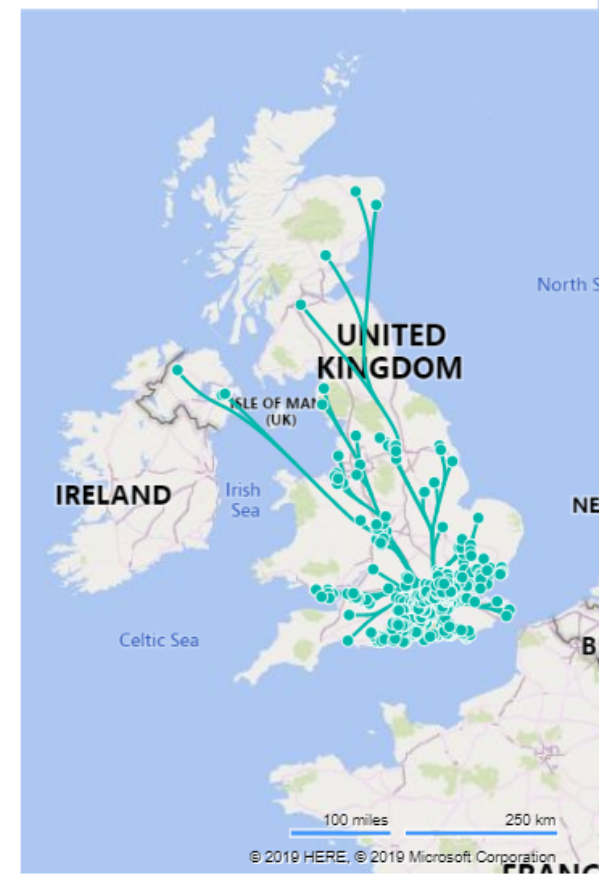
Sales	COGS	Sales Statistics GP	GP Before Discount	Profit (incl C2S)	Supplier Rebate	Fully Adj. GP	Cost to Serve	True Profit
22.5M	22.6M	-21.6M	-21.6M	22.7M	1.7M	24.3M	-1.0M	4.0%



● invoiceValue
 ● Sales Statistics ...
 ● Fully Adjust...
 ● Profit after ...

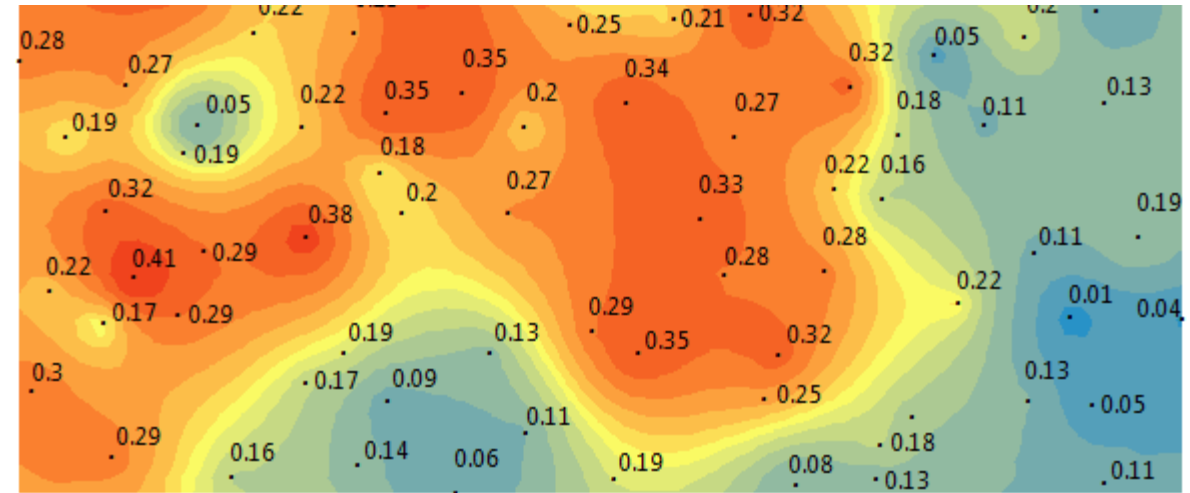
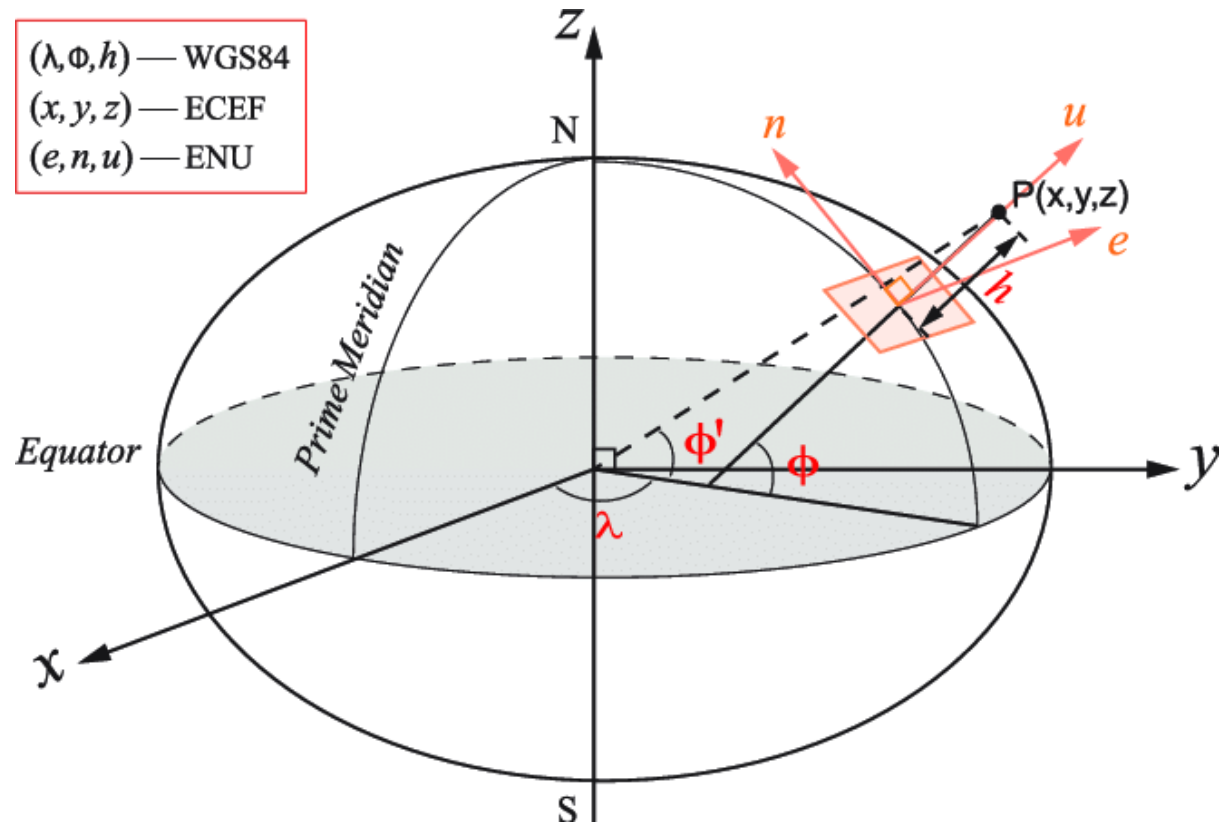


branch_code	Customer Nm	InvoiceValue	Profit %
7061		1,013,431.65	1.4%
7061		960,523.93	-10.1%
7061		829,217.89	1.4%
7061		732,674.47	19.9%
7061		631,704.11	1.4%
7061		593,159.75	1.2%
7061		576,008.17	-4.8%
7061		563,405.28	-4.2%
7061		488,199.80	-8.0%
7061		483,544.68	1.1%
7061		475,168.04	3.1%
7061		424,902.87	-5.9%
Total		17,565,349.70	2.6%



Is GIS still relevant in its own right?

Sort of...



BUSINESS LED ACTIVITIES					
Business Analysis	Identifying new data sources	Change Requests	Target setting	Hypothesis generation	Data Cleansing

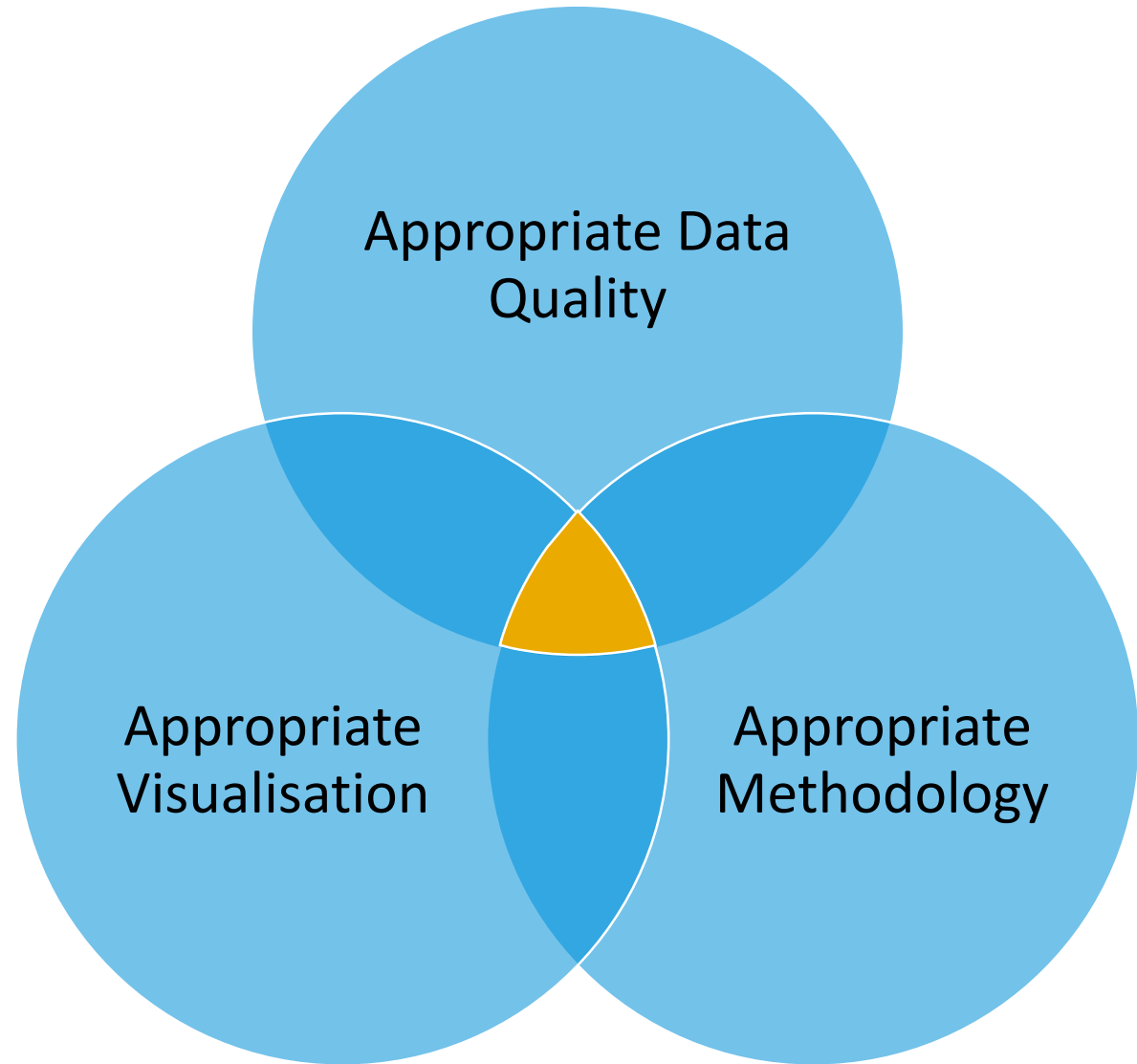
Delivery Methods		
Manually created	Static automatically delivered	Self-Service Reporting

SERVICES				
Standard Reporting	Ad-hoc Analysis	Performance Reporting	Insight & Analytics	Report tool usage Training

CAPABILITIES						
Reporting and Analytics Production and Business Support						
Report Production	Functional Knowledge / Capability	Quality Assurance	Relationship Management	Data Modelling & DWH Extraction	Information Visualisation	Information Innovation, Optimisation & Development
Data & Information Governance						
Demand & Change Management	Data Dictionary & Inventory (EIM)	Security Design (reports)	Data & Information Policies & Standards	Data Governance		
Delivery Management						
Resource Management	Application Maintenance	Continuous Improvement	CoE Performance Metrics	Training	Application Performance Metrics	

TECHNOLOGY ENABLEMENT						
Architecture Governance & Innovation	Solution Architecture, Development & Standards	ETL Creation, Support & Standards	Technology Security	Data Warehouse Maintenance	BI Technology Development	Application maintenance





Understanding of the problem/question

What makes **good good**?

The Golden Triangle of Excellence!



So – what’s next?

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