

Attributing Success to Your Digital Analytics Team

// Emma Gordon



Hello! Emma Gordon here!

- → Irish, Living in Amsterdam
- → Lead Product Analytics in SaaS
- → 11 Years In Digital Analytics
- → 6 Years Leading Digital Data Teams
- → 5 Years in Fashion eCommerce





Calvin Klein



So! What are going to be discussing?

- → The evolution and growth of the data teams into specialised roles
- → Structuring those teams in consideration of your business model
- → Creating a culture of Digital Analytics as a Craft
- → How to bring the Data Teams achievement to the attention of the business, bringing trust, confidence and a strong sense of development

Big Data Analytics Market Revenue size is currently \$70 Billion Dollars

That is forecast to grow to \$103 Billion* by 2027

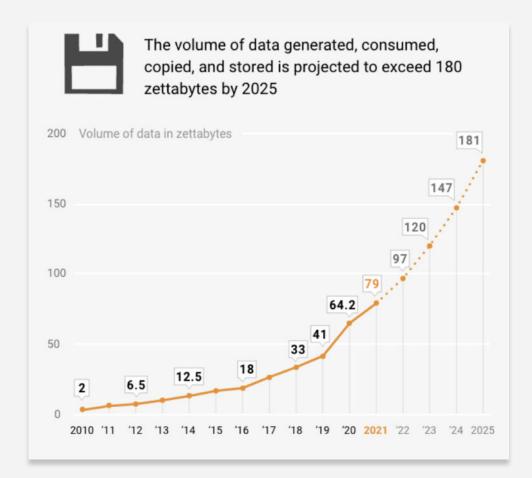
Compound annual growth rate of 30%

The Data market is growing, and so are the teams that support it.

2027

The world is consuming tremendous amounts of data. Most of this data is replicated data.

Approx 2% of data was stored and retained





How to Structure a Data Team?

I think the data world is at a tipping point, and that the time to start building towards this world is now...the growth in both the size of data teams and the complexity of data as a discipline has made the lack of [organisational] principles apparent.

Bryan Offutt

How it Started...

- Urchin Software Corp. was acquired by Google in April 2005, forming Google Analytics.
- In February 2009, Google released Urchin 6.5, integrating AdWords.
- In October 2012 there was an upgrade to Google Analytics : called *Universal Analytics*

And a little helpful tool called Google Tag Manager



Earlier Digital Data Teams - Medium Companies

Data Teams were structured ad hoc

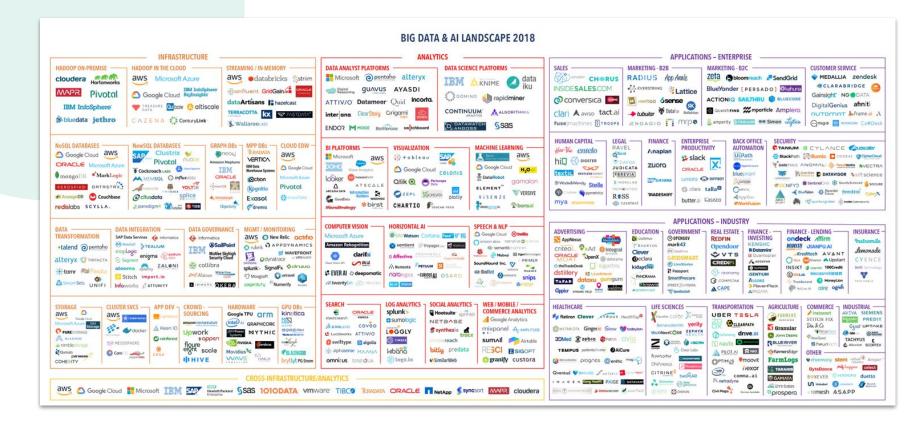
Getting additional budget was challenging



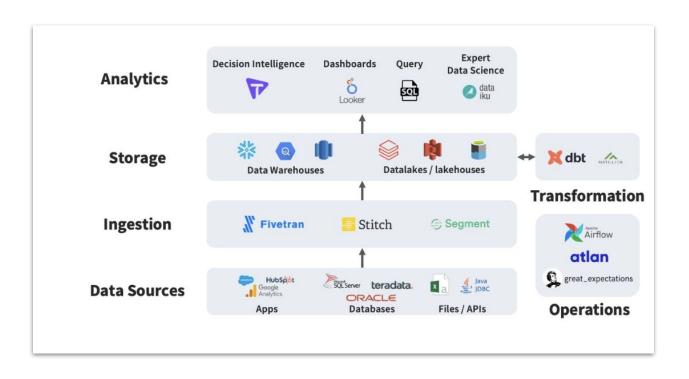
How it's Going...



And Going...



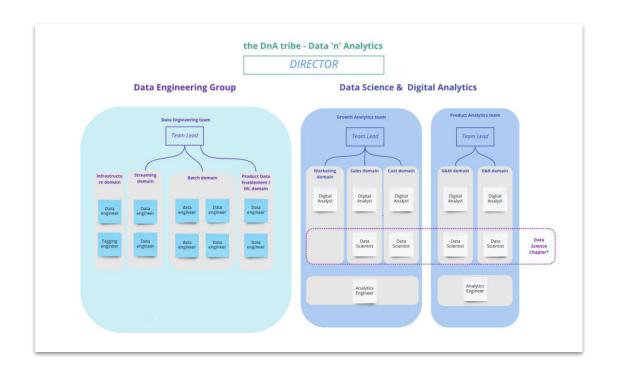
Data Stack Example



Digital Data Teams

Data Teams have now desciminiated into more specialised structures

- Growth/Marketing
- Customer
- Product
- Technical...

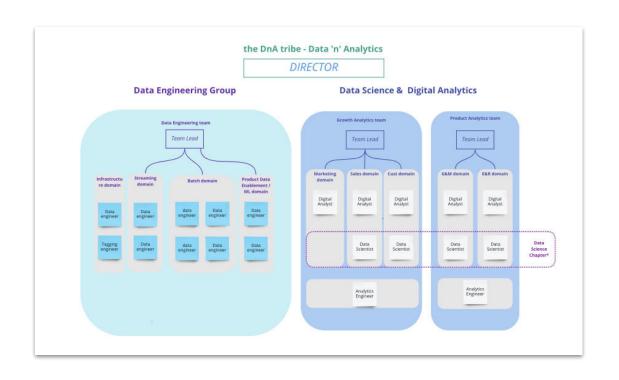


Digital Data Teams - Data as Product

Data Teams are bigger, have more buy-in and are more structured, but which methodology?

We choose centralised with project based embedment

- Centralised
- Embedded
- Hidden Matrix
- Helix



Thinking Of Data As a Product

We find that when companies instead manage data like a consumer product—be it digital or physical—they can realize near-term value from their data investments *and* pave the way for quickly getting more value tomorrow.

Mckinsey

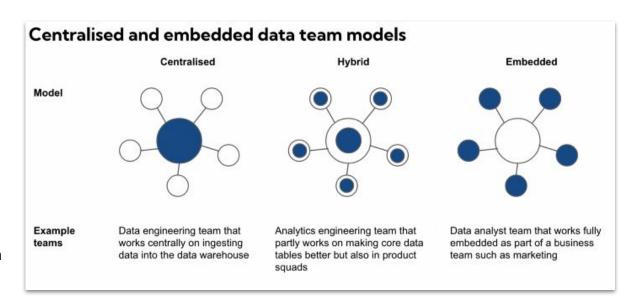
To Embed or not to Embed?

Advantages

- Analysts are closer to the business directive
- Faster response to stakeholder requests

Disadvantages

- Service mentality
- Siloed from central data team
- Disjointed Roadmapping

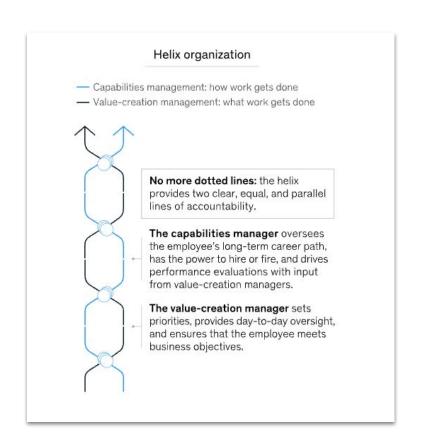


Helix Model

Helix Model has a centralised pool of resources

Two key role types to organise and drive

More suited to teams that already have more established agile practices and culture

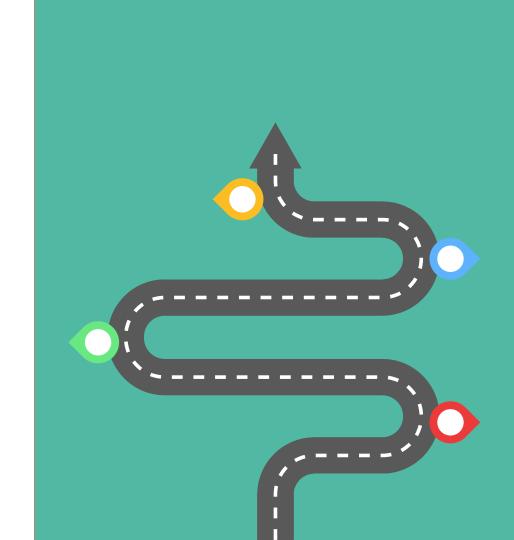


Which Structuring and delivery methodology is best?

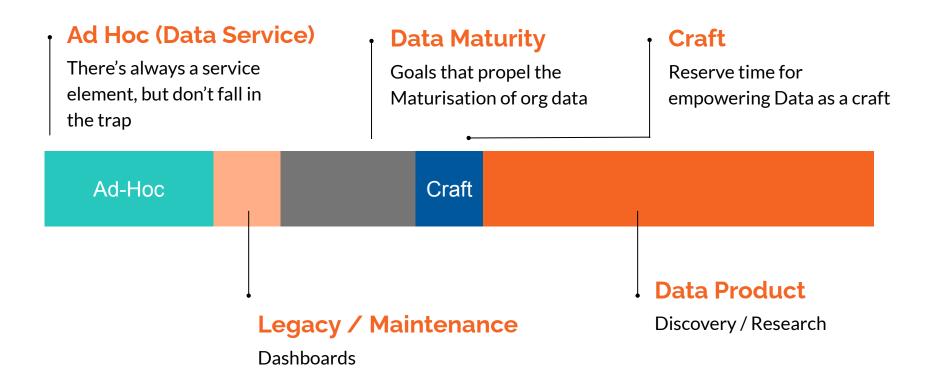
- → It depends on your business
- → Is your Team ready?
- → Take a step back and analyse your business requirements
 - Analyse your backlog, align roadmaps of key stakeholders.
 - Then look realistically at your team needs and wants.
 - Remember that change takes time
 - Then build your framework.
- → Craft and Tailor the framework
- → Remain Agile
- → Data As a Product



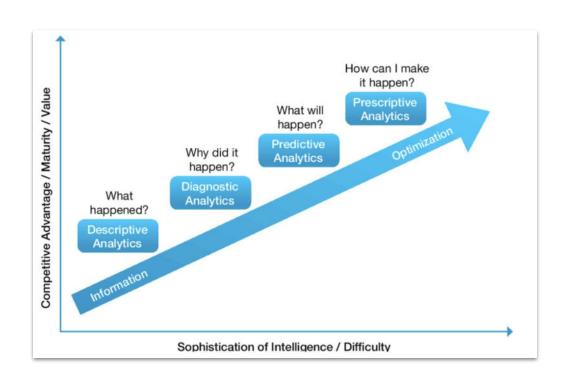
Direction



Time Breakdown



Digital Data - Maturing the Organisations Data



Digital Data - Maturity Model

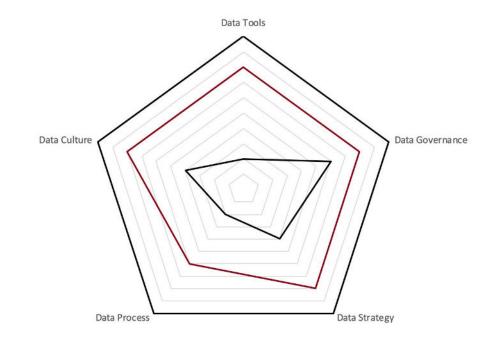
	Stage 1 - Tier 1 Basic Digital Analytics	Stage 1 - Tier 2 Foundational	Stage 1 - Tier 3 Functional	Stage 1 - Tier 4 Operational	Stage 1 - Tier 5 Cultural & Essential
Organisation	Ad hoc teammembers	Small Digital Analytics team with tiered organizational structure	Digital Analytics team, using web, app, technical and advanced analysts	Large PA team, integrated with Data Science	Multiple optimization teams, data scientists, team managers
Data Standards & Quality	Basic data flow, multiple sources of truth. Inconsistent. Questionable quality. No governance.	Emerging data governance team and consistency. Some documentation & processes.	Growing team. Automated checks. Full, managed documentation.	Multi disciplined data governance team with developers and data engineers. Full, trustworthy data pipelines.	Structured team. Stacked and tracked integrated data sources.
Strategy & Roadmap	None	A list of foundational waypoints. Some guidance.	Structured list with prioritization, development and delivery.	Structured Roadmap linked with BD, Strategy and Growth	Roadmap is tier 4 and linked to organisations overall strategy
KPIs	Basic Metrics: Pageviews, CR	Basic Metrics, some offline data, out of the box segmentation	Custom calculated metrics, integrated sources, rough ROI	Advanced data points, real time monitoring, projection targets	Tier 4 + Modelled data, RPV, CLV, Churn, Predictive analytics
Data Usage in Team	None. Data is unimportant to business decisions.	Some data is used but is dismissible	Data valued and integrated in decisions	Essential	Driving the business decisions.
Data Integrations	Basic website data	Product Usage data, some offline	Data pipelines for raw data, SQL analysis	Full stack, data pipelines, full customer journey, custom databases	Secured integrated datasets, advanced database requirements
Segmentation	None – All visits	Basic marketing channels, some audience targeting	Personas and audiences maturing, specific targeting	Key Audiences maturing, specific targeting	Complex audiences, look-a-like tagging
Analysis Output	Basic. Lots of excel sheets.	Regular reports. Some analysis. Some insights.	Regular analytical reports and insight analysis in a process chain. Some PA products.	Cross disciplined, integrated reports with advanced analytics. PA data products regularly developed.	Full process flow, advanced analytics and machine learning integration

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Digital Data - Maturity Metric

- Incremental
 Tracking of Data
 Maturing in the
 business
- Keeps an eye on something that is somewhat subtle in movement
- Best operated per quarter





Craft & Culture

Team Culture & Engagement

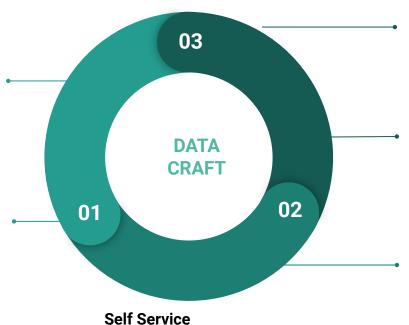
Create active Slack/Team channels to share knowledge and interesting articles, channels for bookclubs, films and other social but related topics

An NPS Score of your Team's Engagement in their work becomes a reportable metrics, a KPI for you as a Team to support

Learning & Development

Performance and continual growth, as well as learning and development on the topic of craft

Active promotion of skill share, meetups and presentations by all team members in newly acquired skills



Active involvement by all team members in the education of other business disciplines in supportive data tooling

Cross Boundaries

Quick Analysis and pooling the ability to reach across departmental boundaries to learn

Craft Leads

Hire Craft Leads to specifically drive this involvement across the organisation

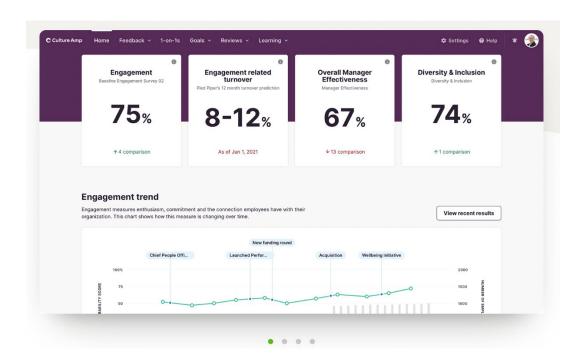
Craft I Fads should also have a checkin on analyst wellbeing, is there a time budget for meetings?

Management as Service

Good Leaders are there to explain problems to the team, handle stakeholders and clear a path for the team to develop solutions with data products.

NPS Scoring for the Team

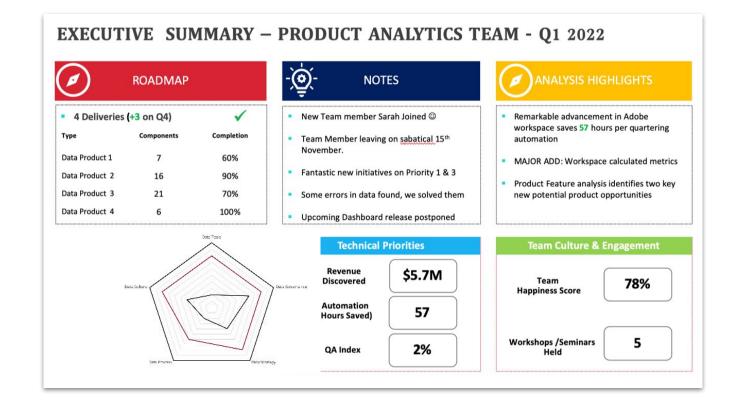
- The happiness and wellbeing of the team is an important KPI for Data Teams
- Team check-ins weekly, self rating happiness
- Maintained and monitored, reported in the QBR
- Culture Amp, 15 Five...



Setting up your Data Teams PR to the business

- → QBRs and ABRs
- → Working with Director / VP to monitor the needle
- → Representing the Data Team
- → Keeping on top of your Team's PR

An example starting ROI report





Thank You!

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Digital Data & Technical Lead

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