byte sumo
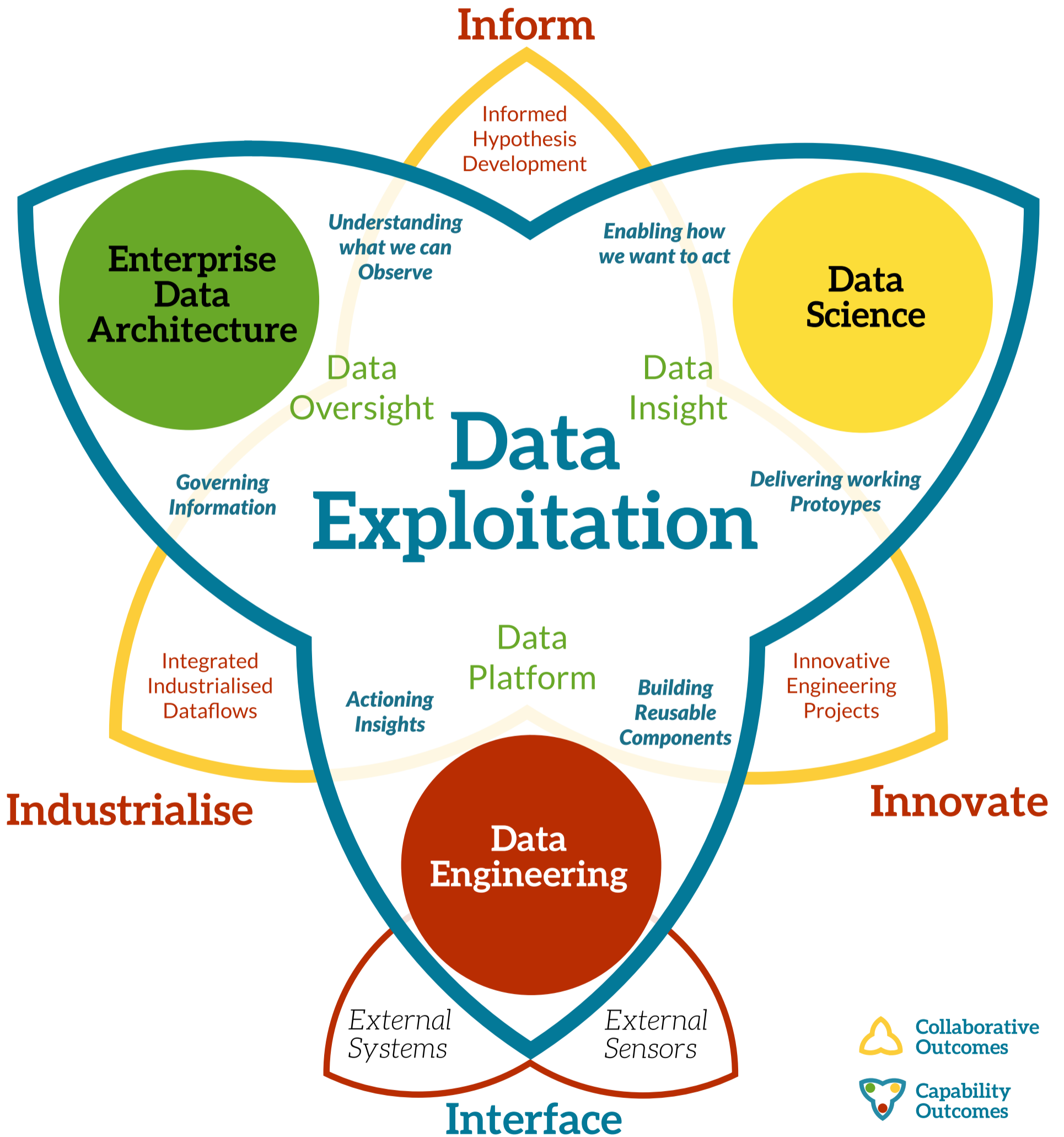
Critical capabilities driving data exploitation
How the key data capabilities collaborate to create data driven transformation.

Inform

Informed Hypothesis Development

Understanding what we can Observe

Enabling how we want to act

Enterprise Data Architecture

Data Science

Data Oversight

Data Insight

Data Exploitation

Governing Information

Delivering working Protoypes

Data Platform

Integrated Industrialised Dataflows

Actioning Insights

Building Reusable Components

Innovative Engineering Projects

Industrialise

Innovate

Data Engineering

External Systems

External Sensors

△ **Collaborative Outcomes**

△ **Capability Outcomes**

Interface

ABSTRACT

Everyone is talking about the impact that big data and data science will make to various sectors of the economy. But no one is telling the story the way that long time practitioners see it. At ByteSumo we understanding that there are three core data capabilities that are needed, and it is only together, working in tandem, that they truly generate the data driven transformations everyone expects.

Conveying the impact that collaboration and synergy bring is difficult; how to show the sum being more than the parts. This diagram template is one designed specifically by us to show exactly that thing; how overlapping capabilities can be designed with collaboration in mind from the outset, and the outcomes that this intended collaboration will bring.

The blue trillium shape shows three core capabilities. The words inside this shape indicate what these functions bring to the table. The yellow shape shows the collborative outcomes we expect these teams to develop when they work together in pairs.

Although the diagram tries to say a lot, the message we hope you take away is clear. Data Science alone is not enough. Enterprise Data Architecture alone is not enough. Data Engineering in isolation is not enough. True Data Strategy led transformation needs all three functions, and together they create the data organisation needed to institutionalise data driven change.