

BIG DATA STATE OF THE ART

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Gold



Silver



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Big Data Mining: Roadmap to a Winning Strategy

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Big Myths about Big Data

EXPECTATIONS

REALITY

WHY DOES IT HAPPEN?



ONE SIZE FITS ALL

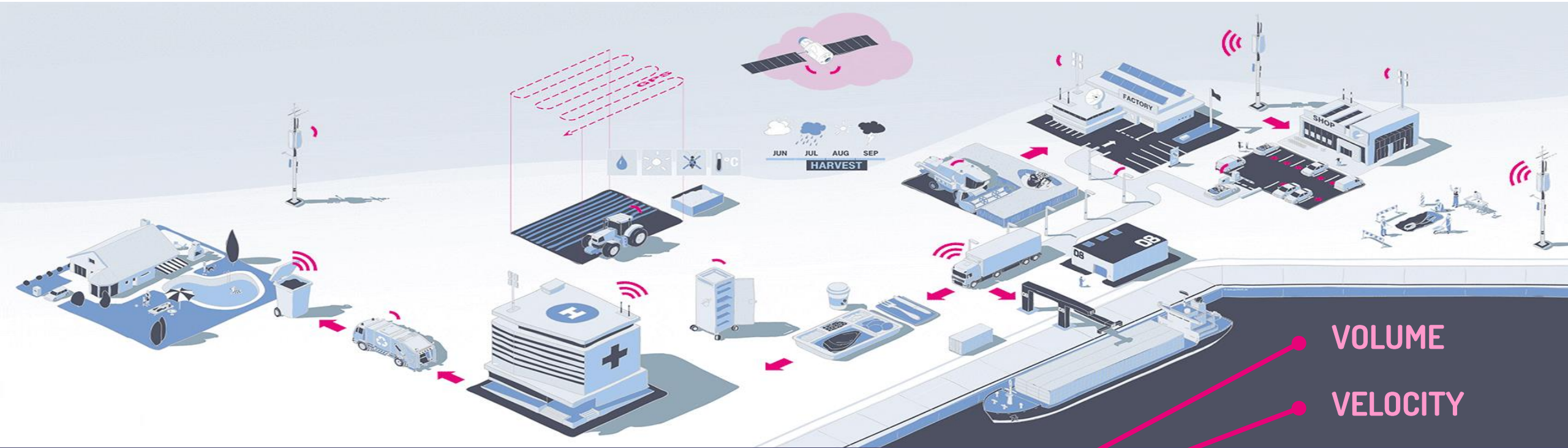


IT'S ALL ABOUT TECHNOLOGY



DATA EQUALS INFORMATION

Big Data requires New Vision



DATA IS EVERYWHERE.
BUT WHAT DOES IT MAKE "BIG"?

BIG
DATA
6V

VOLUME

VELOCITY

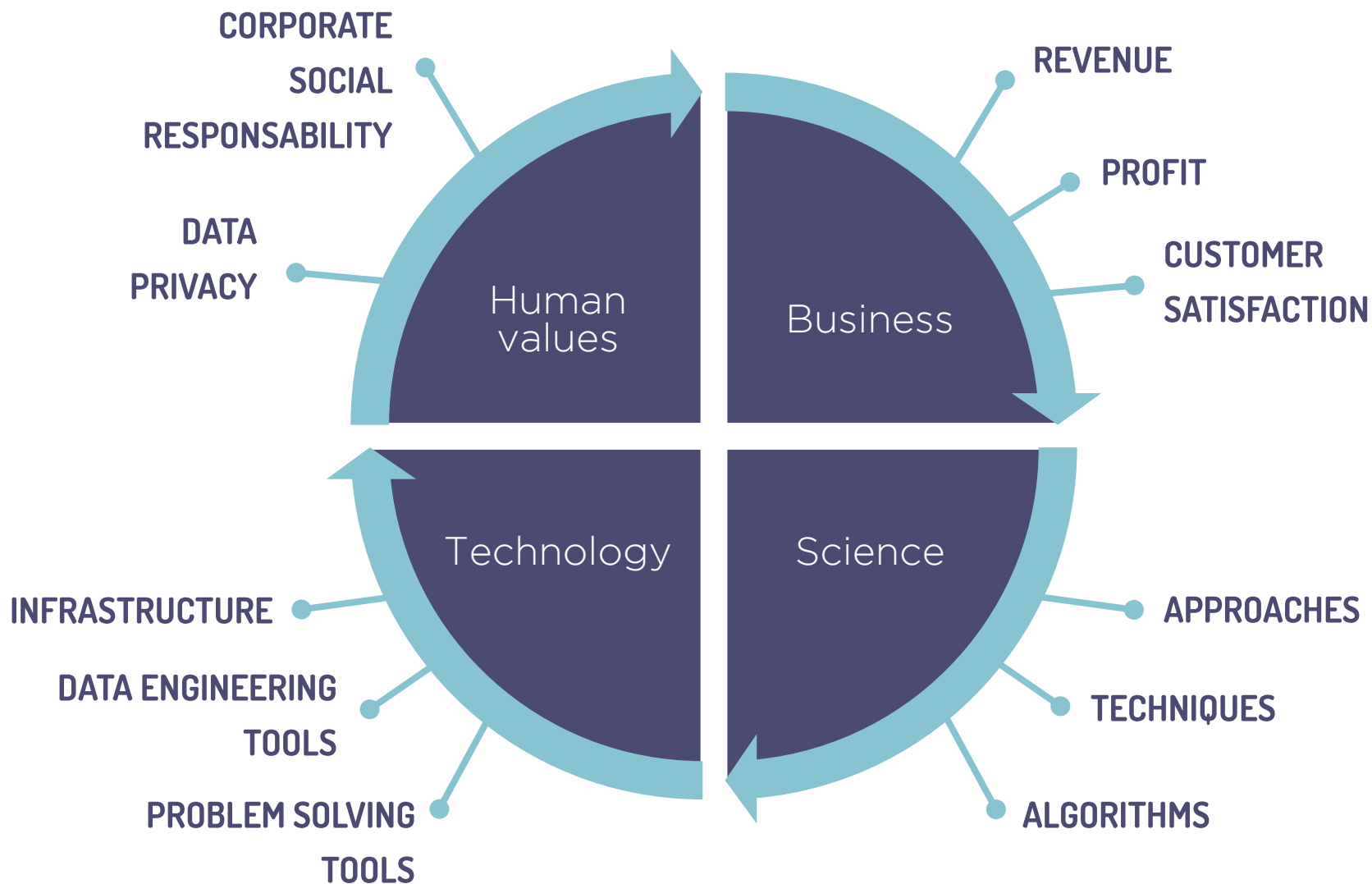
VARIETY

VERACITY

VIABILITY


VALUE

The Big Deal With Big Data Isn't (Just) the Data







A ROADMAP





1. WHICH ARE THE HIGH-LEVEL GOALS?

-  S - SPECIFIC
-  M - MEASURABLE
-  A - ATTAINABLE
-  R - RELEVANT
-  T - TIME-BASED

2. WHICH TYPE OF QUESTIONS SHOULD BE ANSWERED?



-  WHAT HAPPENED?
-  WHY DID IT HAPPEN?
-  WHAT WILL HAPPEN?
-  HOW CAN WE MAKE IT HAPPEN?

3. WHICH ARE CORRESPONDING APPROACHES?

-  DESCRIPTIVE ANALYTICS
-  DIAGNOSTIC ANALYTICS
-  PREDICTIVE ANALYTICS
-  PRESCRIPTIVE ANALYTICS

4. ANALYTICAL SANDBOX (SCIENCE PERSPECTIVE)

 CLASSIFICATION
 REGRESSION

 CLUSTERING
 RECOMMENDATION

 DIMENSIONALITY REDUCTION
 PREPROCESSING

 MODEL SELECTION
 OPTIMISATION

5. TECHNOLOGICAL STACK (ENGINEERING PERSPECTIVE)



Topics to be Considered in the Future



