

From Data Analyzer to Decision Enabler to Business Driver: How to Elevate Your Organization's Data Analytics Maturity

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Who's Allstate Canada

- Allstate Insurance Company of Canada is a member of one of the largest insurance organizations in the world – The Allstate Corporation.
- Allstate Canada has provided peace of mind and property and casualty insurance to Canadians since 1953.
- We deliver a full line of auto and home products in the provinces of Alberta, Ontario, Quebec, New Brunswick and Nova Scotia.
- Our network consists of over 60 community-based agencies and over 2900 Agents and employees.



Who's Jason

- Chief Risk Officer, Chief Data Analytics Officer, Advisor to 2 FinTechs
- >20 years of data analytics experience in the financial services industry in both Canada and the US
- MBA from New York University
- CFA charterholder



Agenda



01

Transformation is a journey

02

Start with assessing the current status

03

Translate the gaps to your roadmap



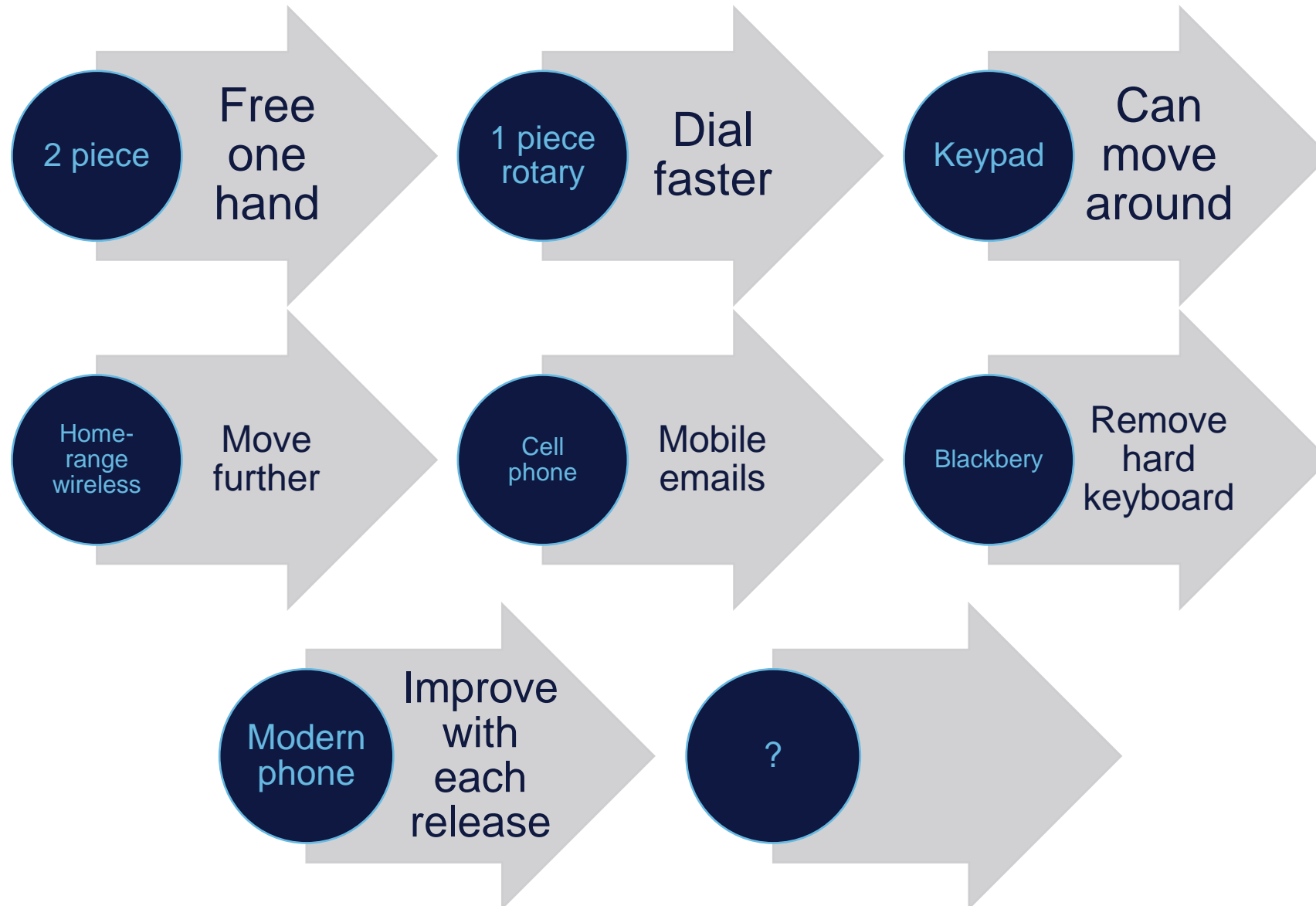
1 Transformation is a journey

Transformation is not an “On/Off” switch

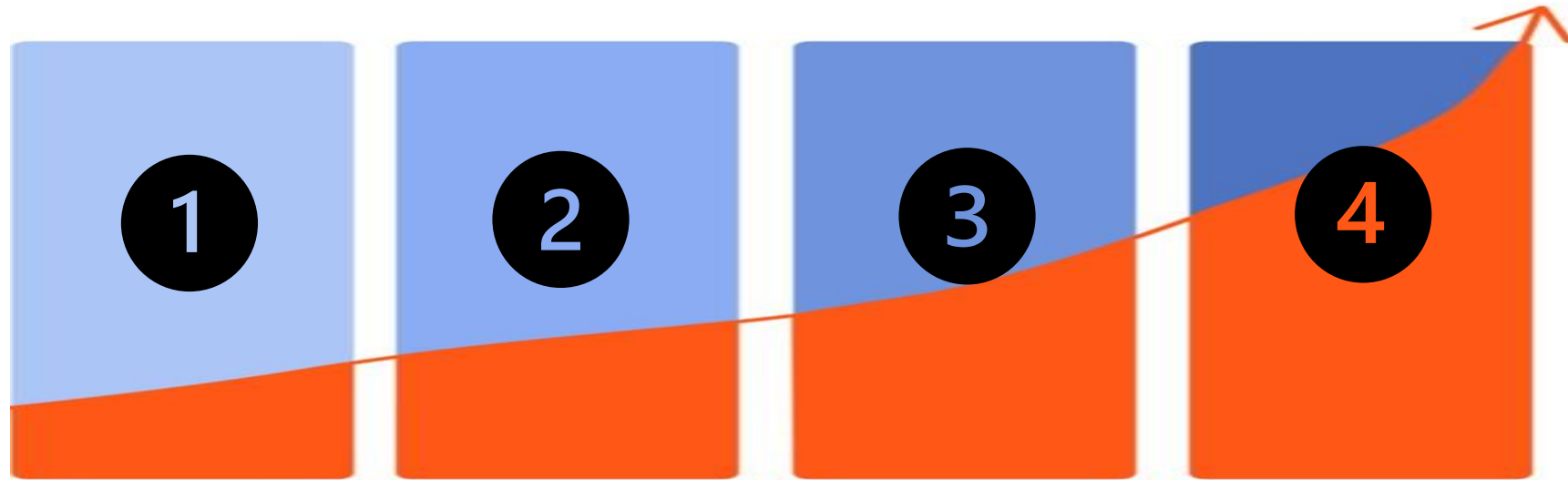


Photo: Still image from *2001: A Space Odyssey*, courtesy of Stanley Kubrick Productions.

The history of the telephone is a perfect example of iterative improvements

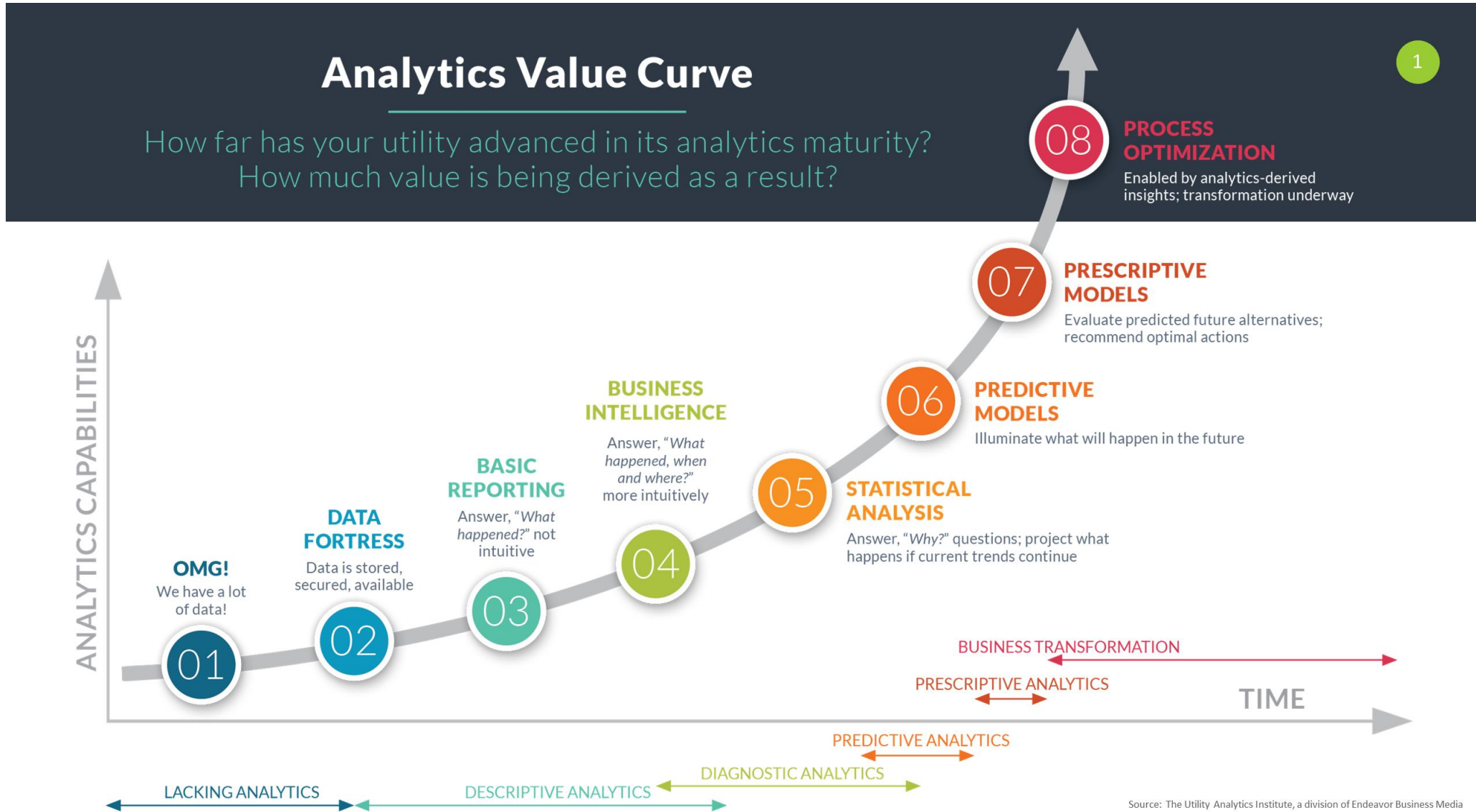


So is the journey to become a data-driven organization



Data Aware	Data Proficient	Data Savvy	Data Driven
<ul style="list-style-type: none">Manually compiles non-standardized reports from different systemsPeople: ad hoc reporting analystsFocuses on building modeling capacities	<ul style="list-style-type: none">Standardized reporting on an organization-wide platformPeople: Regular report maintainersFocuses on building proficiency data quality and system integration	<ul style="list-style-type: none">Uses data to make critical business decisionsPeople: reactive problem solversFocuses on building advanced data capabilities and predictive analytics	<ul style="list-style-type: none">Embeds data into all business processesPeople: Thought leaders that proactively advise the businessFocuses on self-service, scalability, agility, and security

Maturity models could vary, but all are iterative





2

Assess the current status

Begin by assessing your current maturity level

The assessment can use a bottom-up approach by answering a number of questions within these buckets

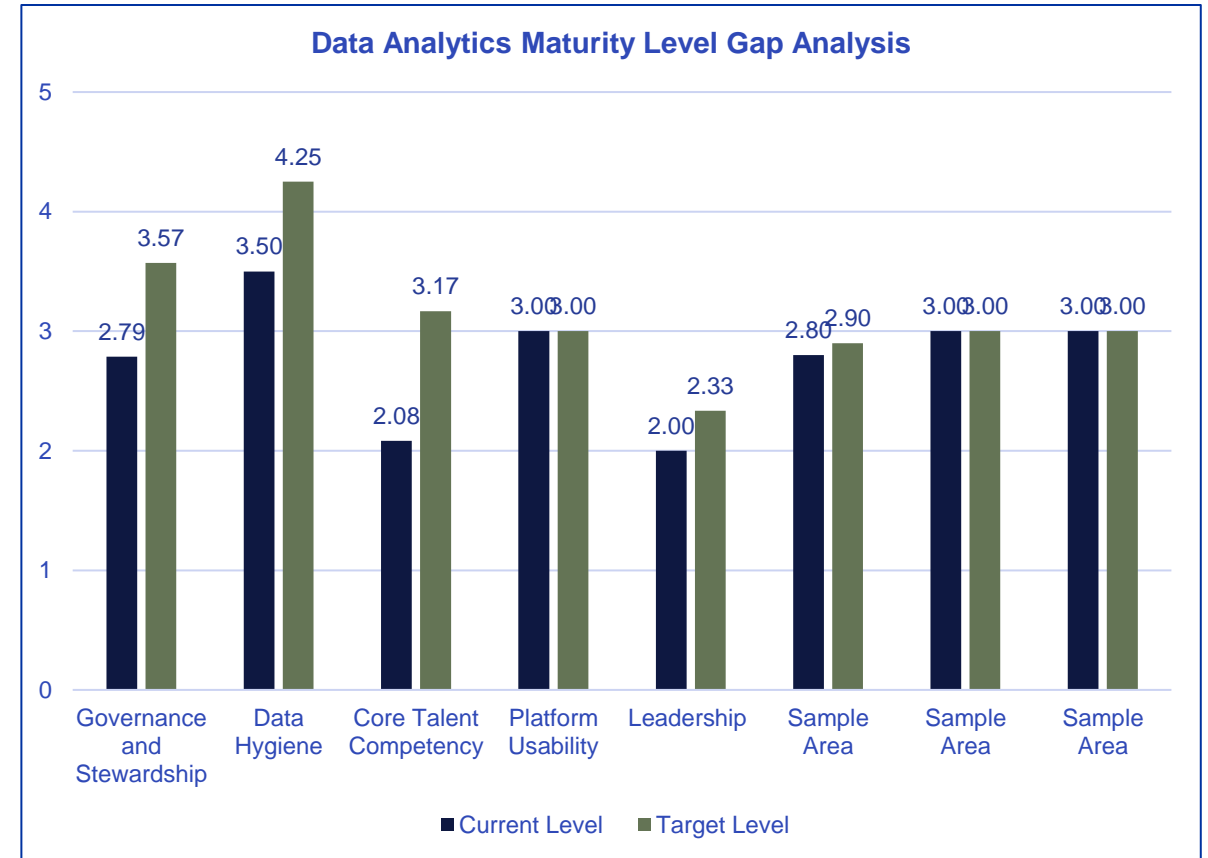
- Governance: integrity and security, architectural design
- Architecture: mapping and cataloguing, enablement and curation
- Literacy: analytic competency, user understanding
- Leadership: sponsor support, org structure, change management

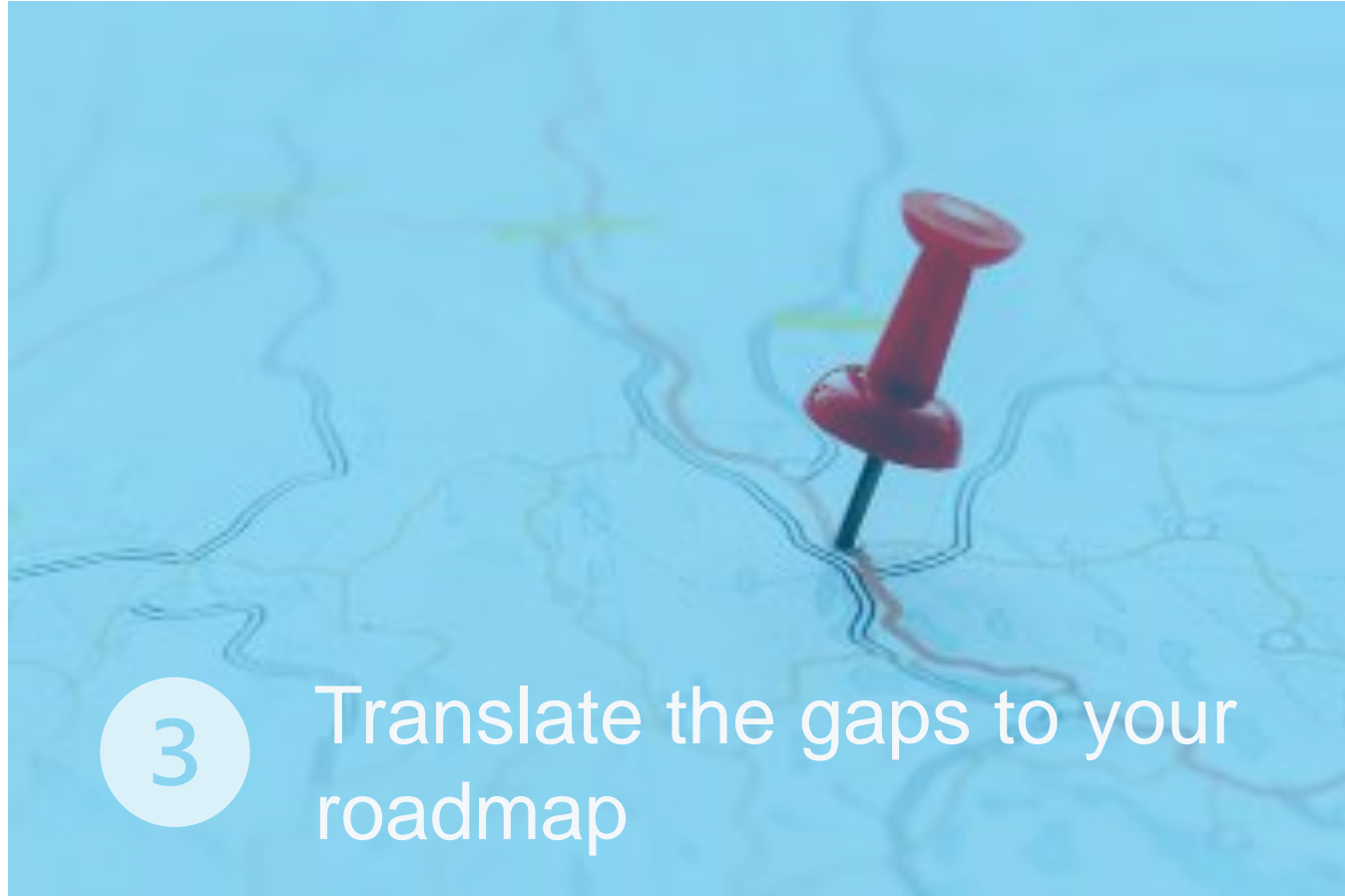
The assessment can be quantitative by assigning a numeric answer that corresponds to each maturity stage

1. Initiated
2. Developing
3. Defined
4. Monitored
5. Optimized

Assessment is best done using a bottom-up approach

- Conduct interviews with all stakeholders
- Use a detailed questionnaire – a set of questions within each category
- Ask not only the current maturity level, but also the target level. The target is not necessarily “5” in all questions
- The rest becomes a simple math exercise: Calculate the score of each category, and average it out to be the total maturity score
- Go through the same assessment questionnaire (possibly with a smaller audience) for a refreshed score and gauge progress





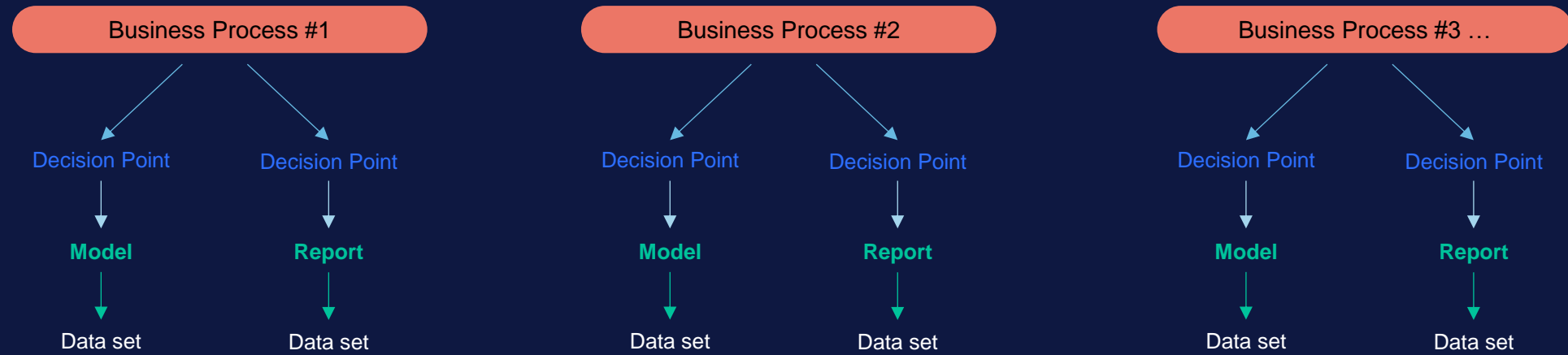
3

Translate the gaps to your
roadmap

Set the vision for how the “point of arrival” looks

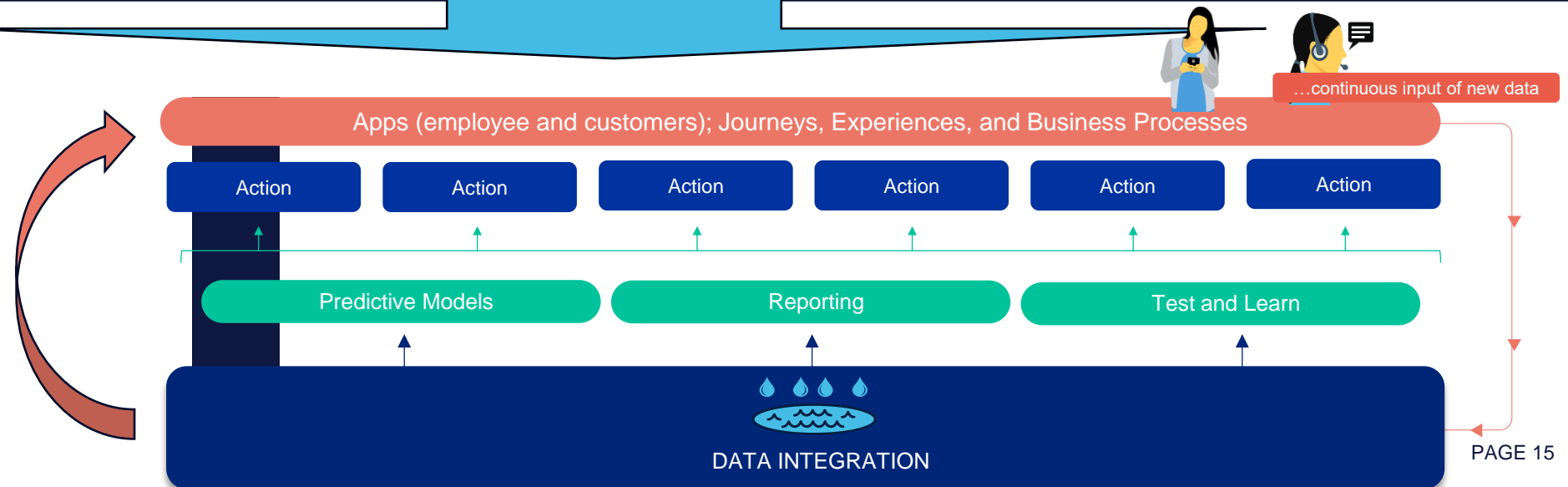
Process Driven

- Business processes are pre-established and presumed fixed
- Models and reports are developed to inform individual decisions in the process, and are triggered at specific points of the pre-established workflow
- Analytics is based on static subsets of data that represent only a fraction of Allstate’s available data



Prediction Driven Process

- The focus of analytics is on the core outcomes that drive the success of the business
- These predictions are continuously updated with each new bit of information
- With each reevaluation, each possible next action will be evaluated to determine which is best, and the system will automatically trigger that action



Define what's in between: Build a roadmap that includes measurable deliverables tied to specific timelines

Initiative	2023		2024				2025				2026				
	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	
Data governance & knowing our data															
1. Develop & Communicate Data Governance framework	Hiring resources & Discovery	Draft Framework	Implement DG meeting (Phase 1 - Crawl)		Implement DG meeting (Phase 2 - Walk)		Activity of a Data Governance framework embedded in processes (Phase 3 - Run)								
2. Managing data through its life cycle															
3. Implement Data Governance tools (cataloguing)															
4. Develop Data Quality Dashboard															
Enable analytic capabilities															
1. Implement Customer Data Mastering Capabilities															
2. Integrate Predictive modeling capabilities into core systems and processes															
3. Sanctioned Datamarts developed in Production environment to support Operations and Analytics teams	Discovery	MVP 1 – Implement 3 key data marts to support Process A Reporting			Finalize all operational reports in Tool (Prod)		Operational & Analytical reporting (Run – Capabilities embedded in a Production environment)								
	MVP 2 – Implement database to support Processes B, C, and D														

Color coding for status: Completed On Track Planned

Q&A

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