



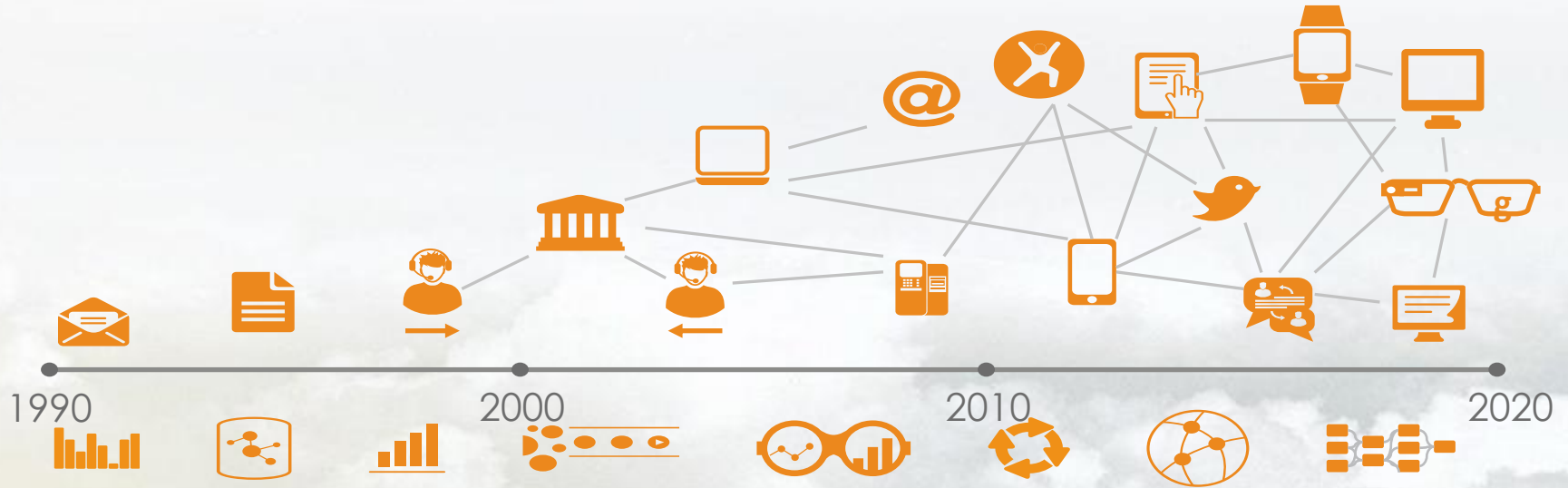
TERADATA

Powering Customer Journeys

Teradata Business Outcome-led Analytical Solutions

The Customer Journey

CMO's #1 Response - Understanding Customer Behavior and Satisfaction



Of the world's population of >7bn,
42% are Active Online

Customer Service

One third of all Internet pages now served on mobile

In Store Experience

The average internet user spends
4.4 hours online

The world's largest Taxi company, Uber, owns no Taxis...

Social Media

Digital Sales Growth grew 25.1% in 2015, and is forecast to grow by c.20% p.a through to 2019

Mobile Experience

91% of Retail Sales are Offline so this remains important

The Connected Customer interacts through multiple channels, **spends 20-30% more** is more loyal, and influences others

Purchase & Delivery Experience

70-83% of Business and IT Leaders say they are focused on **using analytics to improve the customer experience**

Gartner

60-90% are also focussed on **better targeted marketing**

Website Experience

98% of marketers affirm that **online and offline marketing are merging**

Gartner

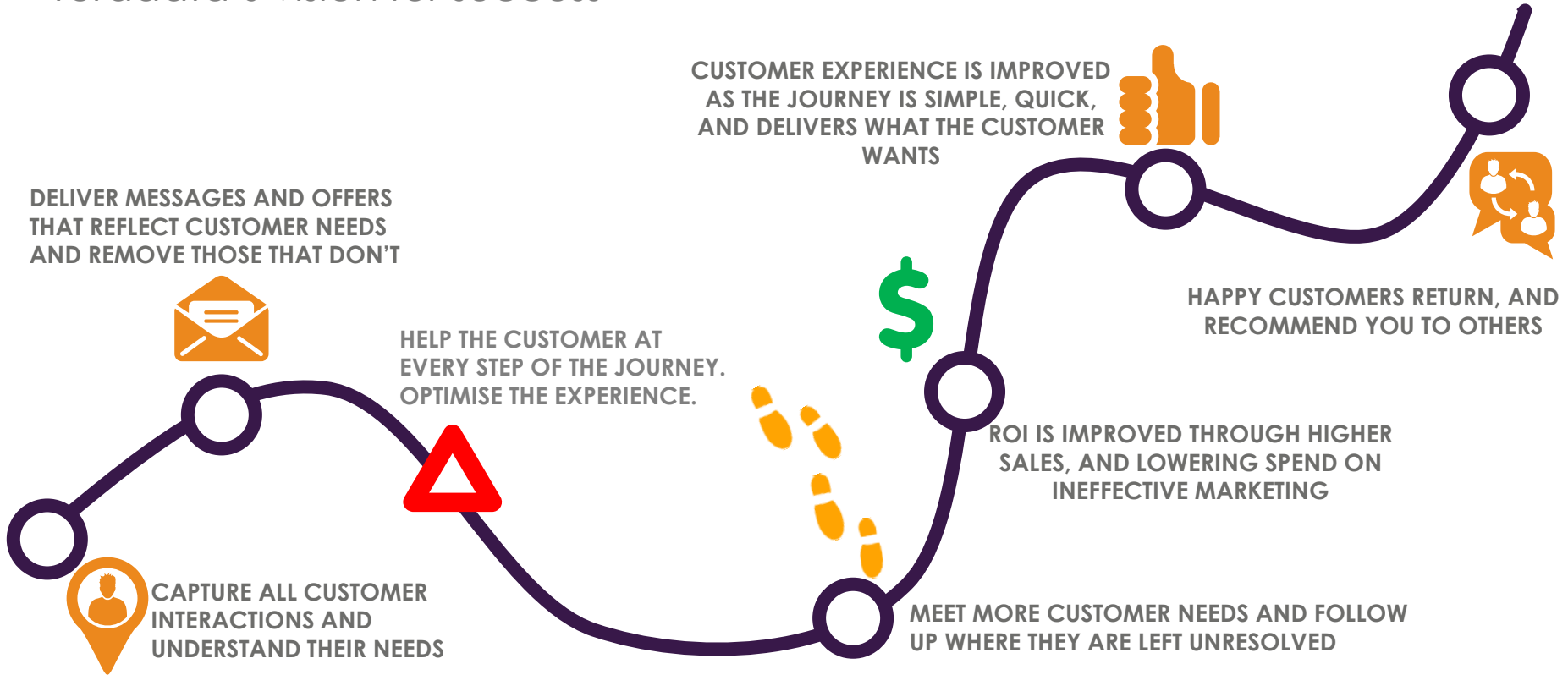
Connected Customer Experience...

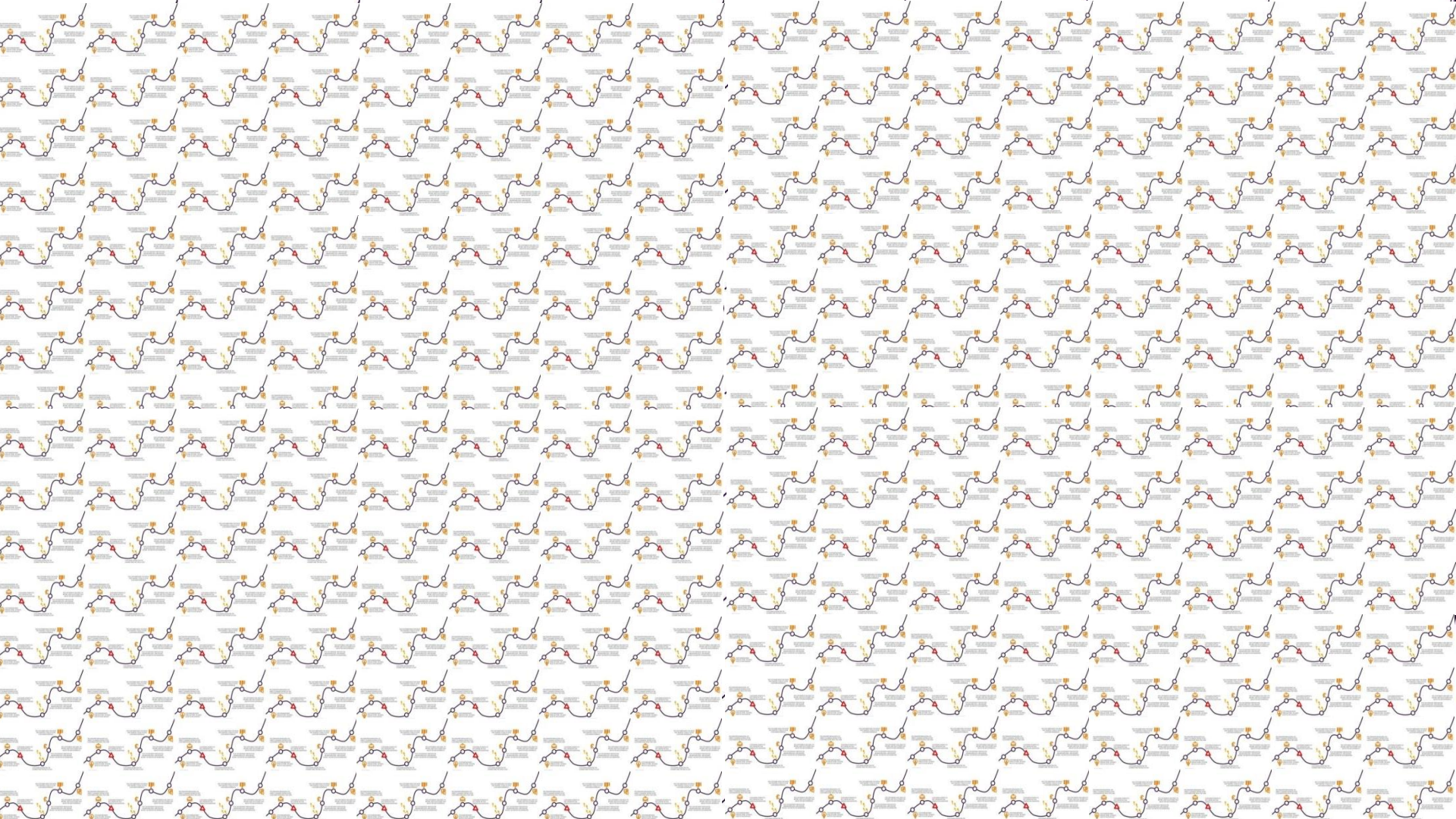
Where many organisations struggle



Connected Customer Experience

Teradata's vision for success



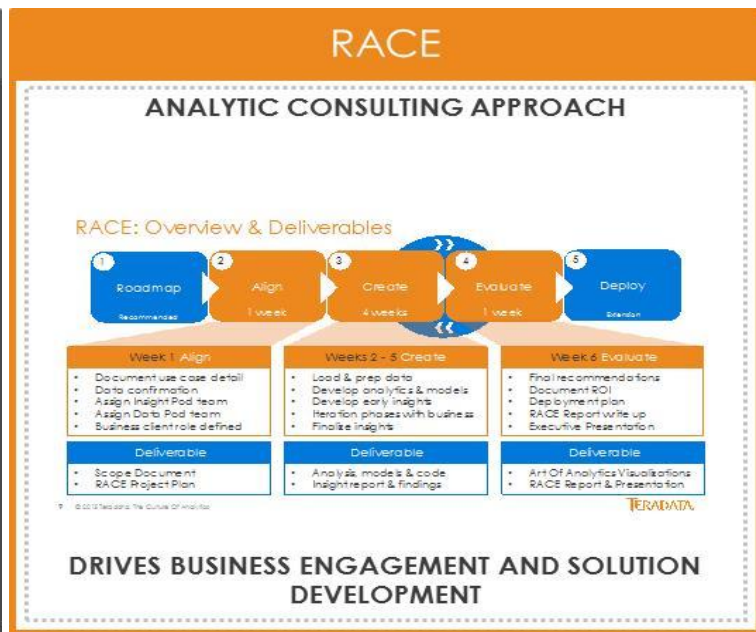
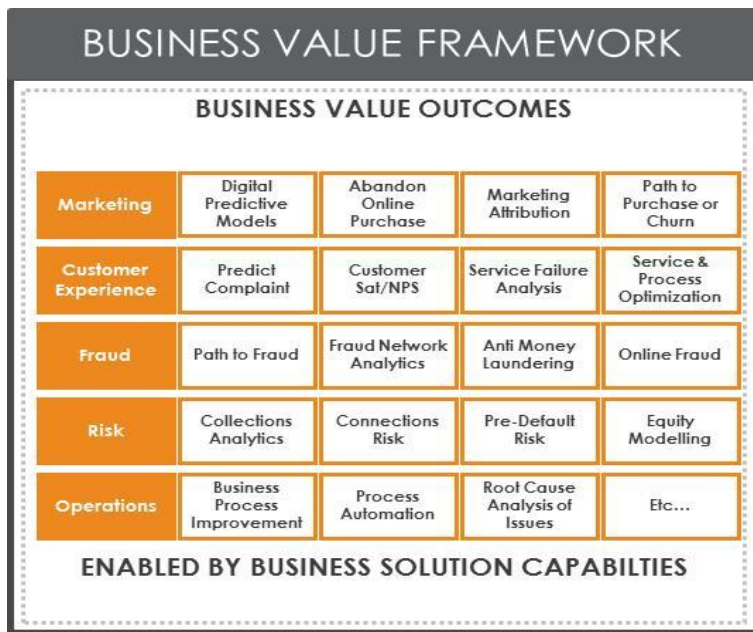


The Customer Journey

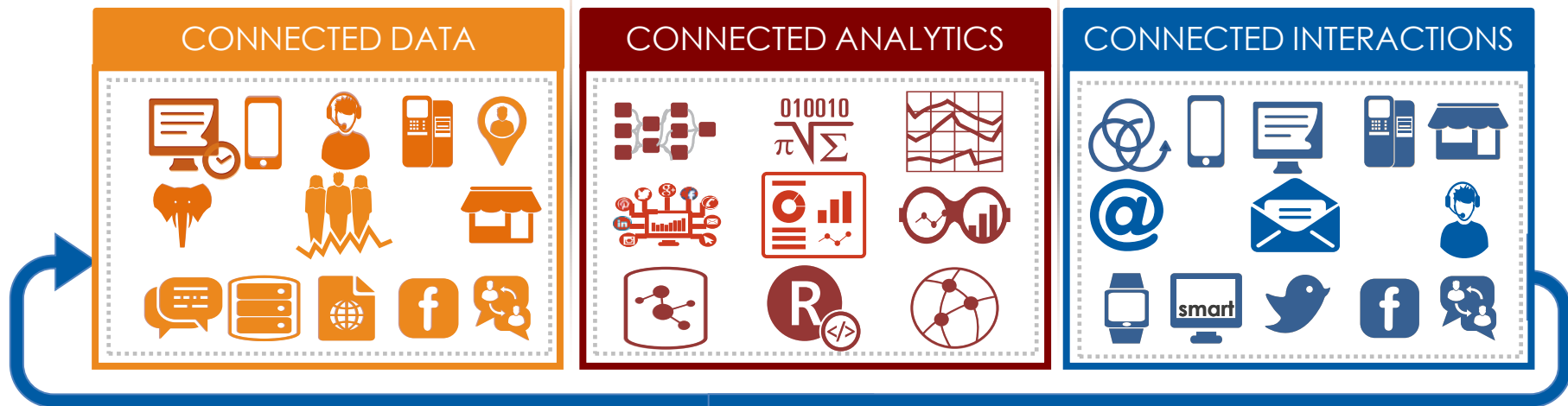
- Three pillars of Teradata's strategy:
 - Architecture Expertise, Technology Solutions, **Business Solutions**
- Our approach to deploying Customer Journey focuses on
 - Maximizing client speed to market and ROI
 - Fitting the solution around current client capabilities and strategy
 - Deploying the solution as a series of quick win investments (maximize return, minimise risk)
 - Over time deploying a flexible and strategic capability
- The Customer Journey includes
 - Existing Analytic Applications: **Customer Interaction Manager (CIM), Real Time Interaction Manager (RTIM), Celebrus, Aster**
 - Proven IP such as Customer Pathing, Product Recommendations, CSI, Marketing Attribution, etc.
 - Architecture consulting to exploit open source capabilities
 - Analytic Business Consulting to enable speed to market and maximize ROI from proven use cases

Customer Journey Solution:

Individual Capabilities Delivered to Maximise ROI and Speed to Market



Customer Journey Solution



High Impact Business Outcomes

Customer Experience

Revenue Growth

Business Efficiency

Connected Data

Solving the Challenge of Building true Single Customer View

Creating, maintaining and leveraging a single view of the customer is hard to achieve internally and the required capabilities are not provided by CRM vendors. Many solutions fail to consider the myriad of channels used by customers to interact with organizations

8 Building Blocks of CRM Data & Information, Gartner, July 2016



Connected Data

Data from Any Source: Available for Analytics and Marketing Execution



Connected Data

Connecting Data from key sources

Customer Identity



- Cookie on a device
- Email address
- Customer IDs
- Customer Master
- 3rd party customer attributes
- Reconciled over time

Single Interaction View



- Web
- Mobile app
- Call Center
- Digital Advertising
- Branch/ATM
- Social
- Search

Customer Attributes



- Demographics
- Quotes
- Product Ownership
- Model Derived (Churn, Lifetime Value)

Single Event View



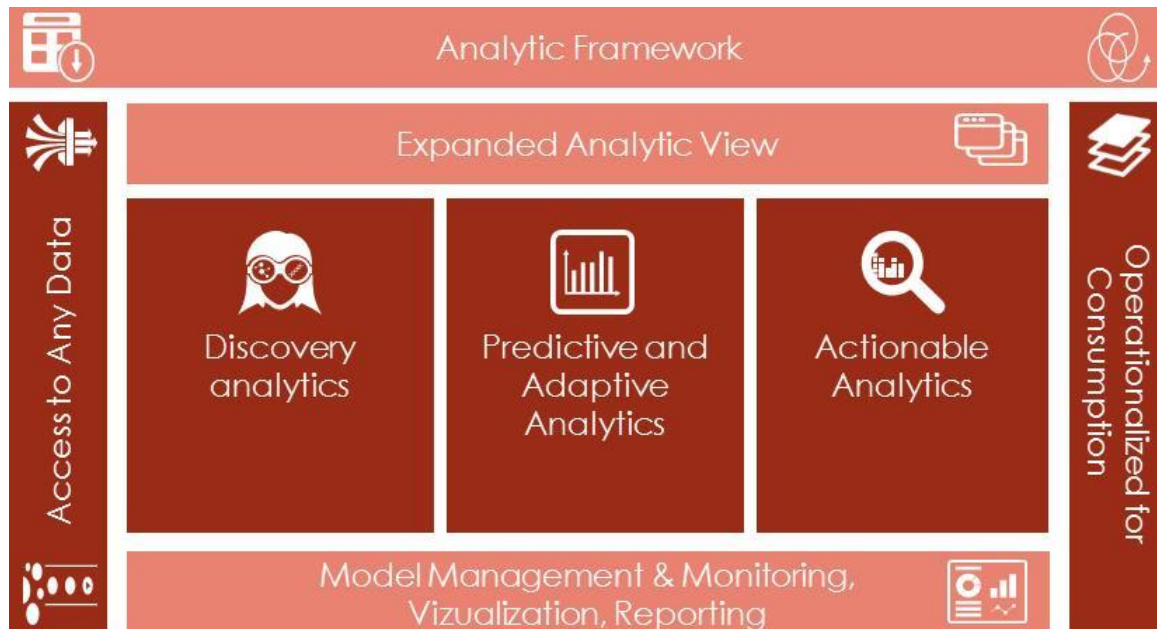
- Billing/Payments
- Charges/Complaints
- Transaction Events
- Marketing Events
- Service Events
- Life Events

Connected Analytics

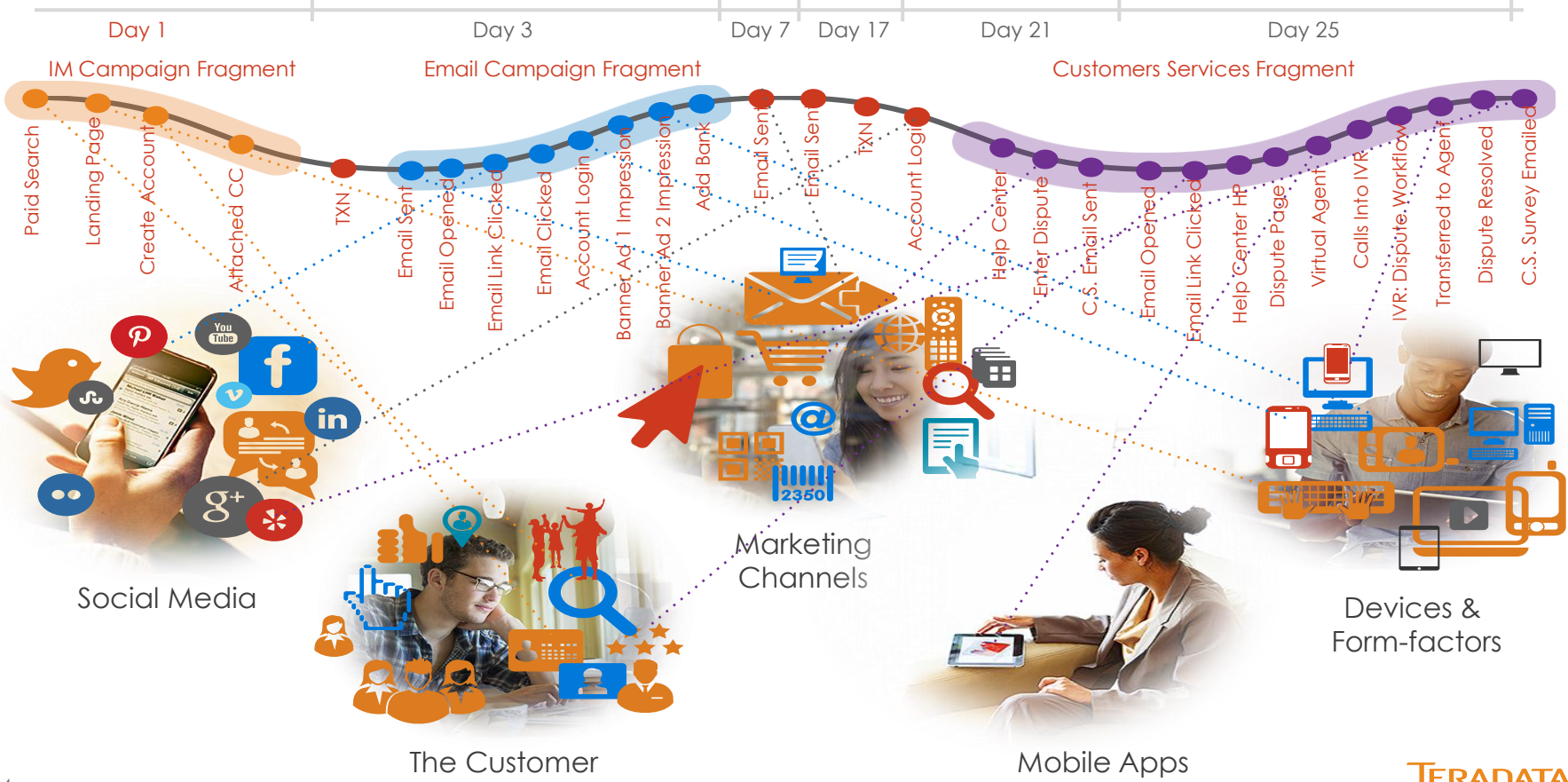
Solving the Challenge of Applying Insight to Deliver Better Outcomes

Organizations struggle to apply relevant customer information and insight to deliver appropriate customer experiences and to drive cross-selling/upselling and improve customer retention.

8 Building Blocks of CRM Data & Information, Gartner, July 2016

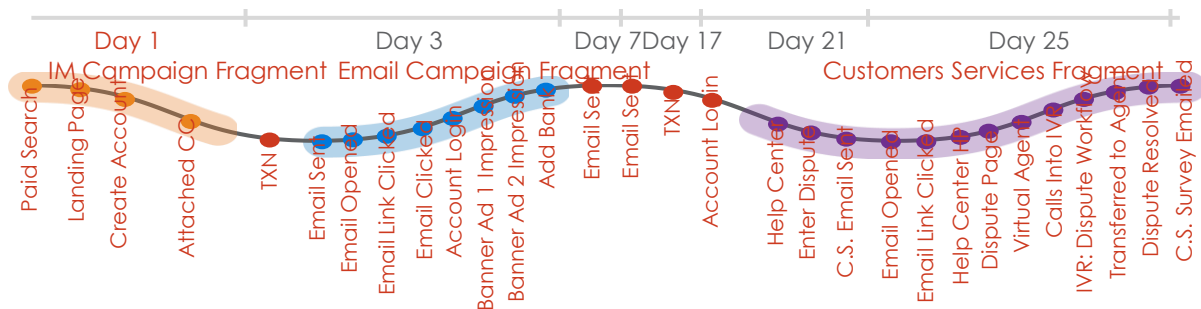


The Customer Journey is connected by definition

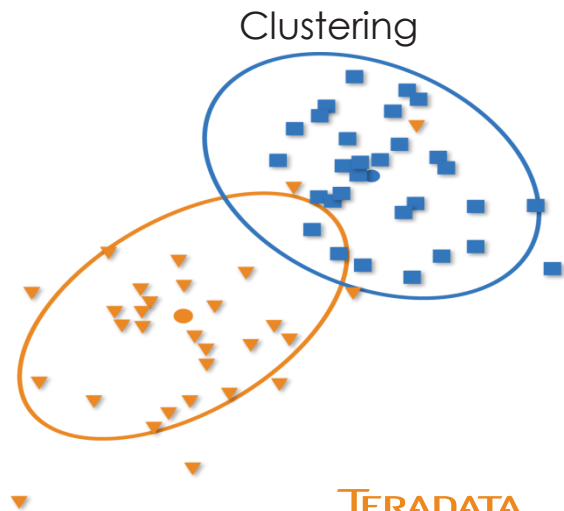


Machine Learning powers real-time decisioning

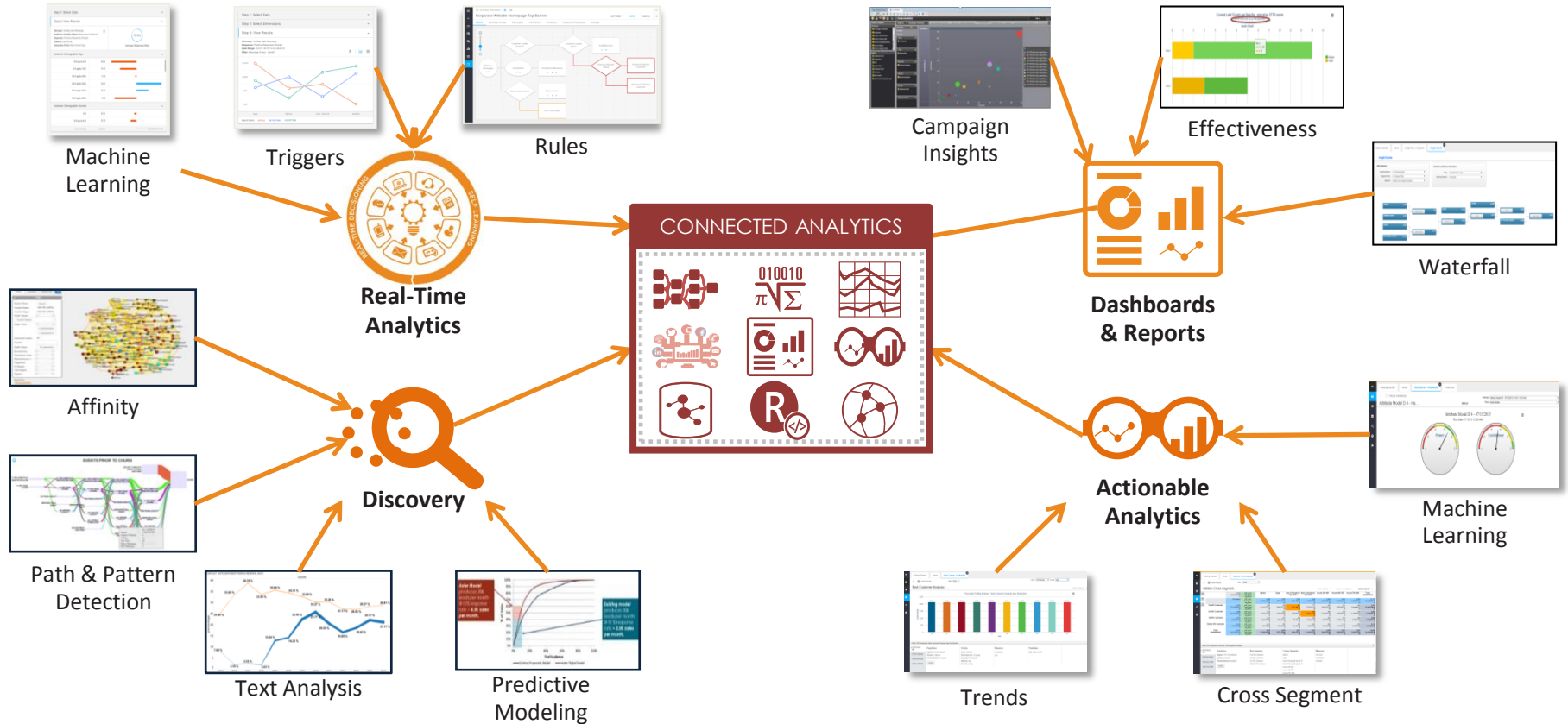
Time-series Classification



- Production recommendations
- Market Basket Analysis
- Event/Activity/Behavioral Analysis
- Campaign management and optimization
- Market and consumer segmentations



Connected Analytics

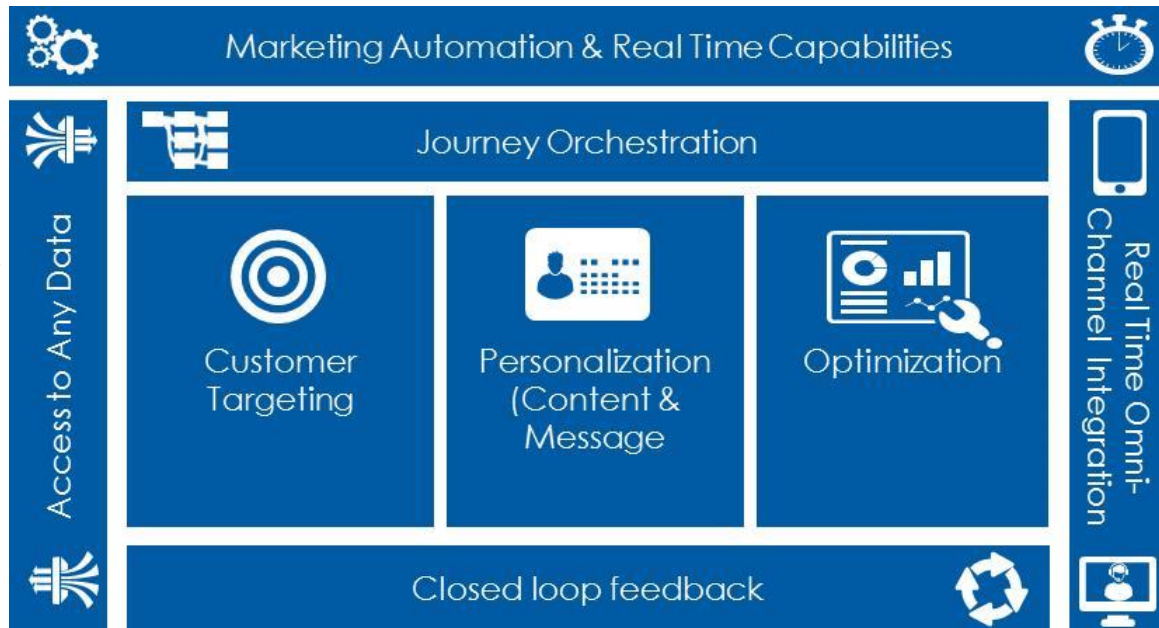


Connected Interactions

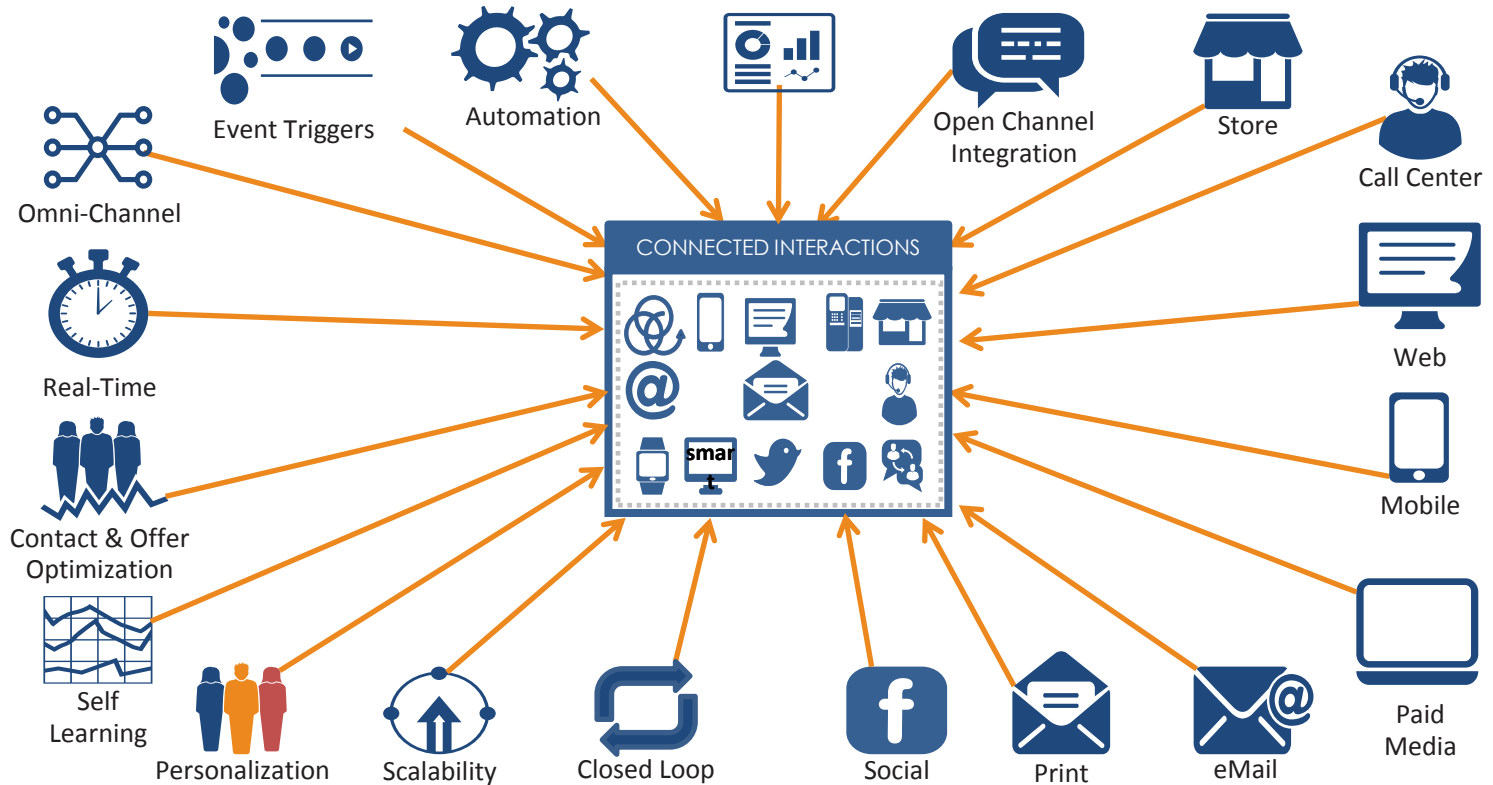
Solving the Challenge of Orchestrating Intelligent Conversations

Understanding the customer's behavior and then changing it can occur at any phase of the customer relationship, and in any context, but most efforts focus on acquisition, cross-sell and retention.

Six Styles of Customer Analytics, Gartner, August 2016



Connected Interactions



Digital Data Integration

Retail Banking Case Study

References: Available on request
Owner: Tony Brown



Challenge & Opportunity

- Large Retail Bank, with millions of customers using their websites
- **Challenge:** Web reporting showed online sales being abandoned but not which individual customers were doing this, or why
- **Opportunity:** Identify and contact customers that abandon a purchase journey, address their questions, then help them complete it

Solution

- Tag free, real time data capture deployed into web (incl Internet Banking).
- Solution structures the data and loads it to the IDW every 2 minutes
- Data are integrated to provide the 360° customer view, and are available to downstream analytical CRM tools
- Solution was deployed in weeks

How Used

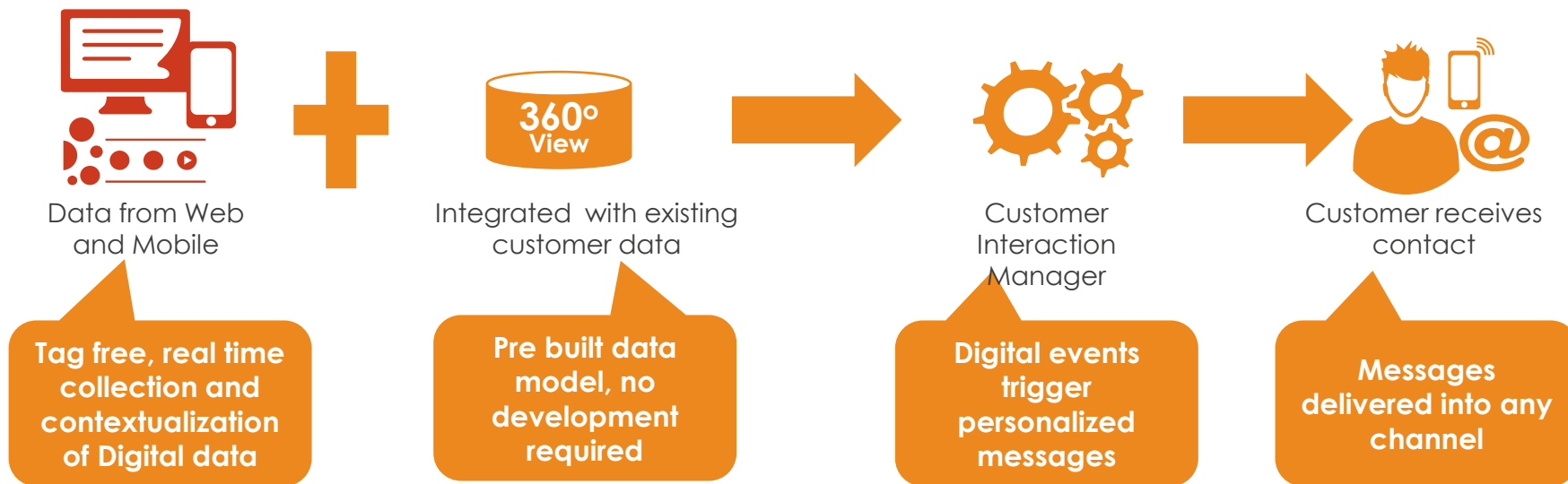
- Business rules set up to identify customers that abandon a purchase
- Triggers used to generate multi-channel, personalized contacts

Business Outcomes

- \$12m dollars of incremental profit in first 12 months, 000's of sales
- Digital data then re-used to address a wide range of Service and Sales process issues, plus Functional gaps in the website

Real-time Digital Personalization

How we do it



Actions Triggered & Decisions Enabled Across Channels

- Real-time web personalization
- Digital event triggered leads
- Personalized triggered emails
- Marketing & lifecycle attribution
- Single customer view creation
- Messaging development
- Offline personalization

Customer Pathing: Journey Mapping

Retail Banking Case Study

References: Available on request
Owner: Tony Brown



Challenge & Opportunity

- Retail bank aiming to optimize their omni-channel Customer Journey, focused on Digital
- **Challenge:** Current Web Analytics solution showed volumes for each process, but not actionable insight into how to improve
- **Opportunity:** Identify the Customer Journeys through each process, where and why these fail, and what to do to improve them

Solution

- Detailed digital data and offline data sources (sales, interactions, etc.)
- Multi-Genre analytics capabilities including Customer Pathing
- Initially deployed as a 6 week RACE

How Used

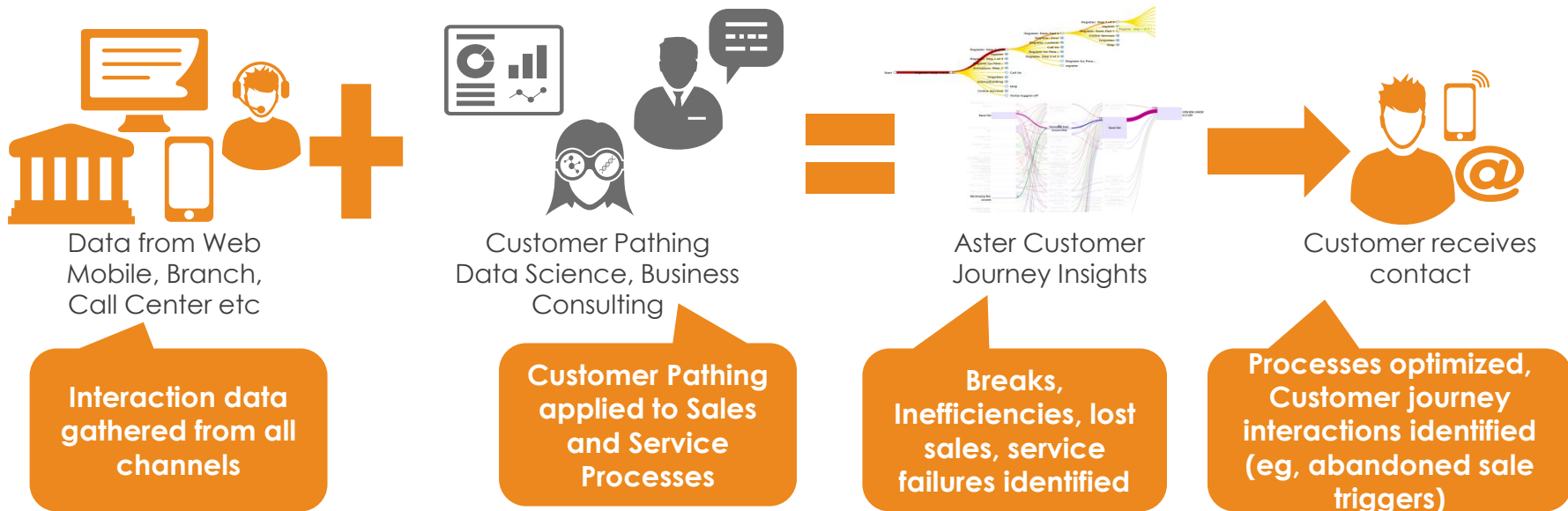
- Data Scientist & Bank's analysts ran Customer Pathing to understand multiple digital and omni-channel sales & service processes
- Business consultant interprets results and business cases for improvement

Business Outcomes

- \$10m dollars incremental profit from two sales process changes for 1 product
- Identified cause of 80% failure rate for a service process
- Identified >40 business opportunities including follow up marketing triggers, process changes, and online banking feature enhancements

Customer Journey Detection (Pathing Analytics)

How we do it



Actions Triggered & Decisions Enabled Across Channels

- Customer churn triggers
- Complex sales triggers
- Service Failure identification
- Fraud pattern detection
- Process improvement
- Activity migration
- Campaign & lifecycle attribution

Real Time Marketing

Retail Banking Case Study

References: Available on request
Owner: Tony Brown



Challenge & Opportunity

- Retail bank with millions of customers interacting through its web sites on a daily basis
- **Challenge:** All customers get the same offers, messages and experience, regardless of need. Only very broad segmentation applied to offering.
- **Opportunity:** Build the digital experience around individual customers, optimize sales and service messages based on real time insight

Solution

- Real time Digital Data capture & integration with offline customer profile
- Real time interaction management capability
- Integration with Digital and Offline channels for omni-channel decisioning

How Used

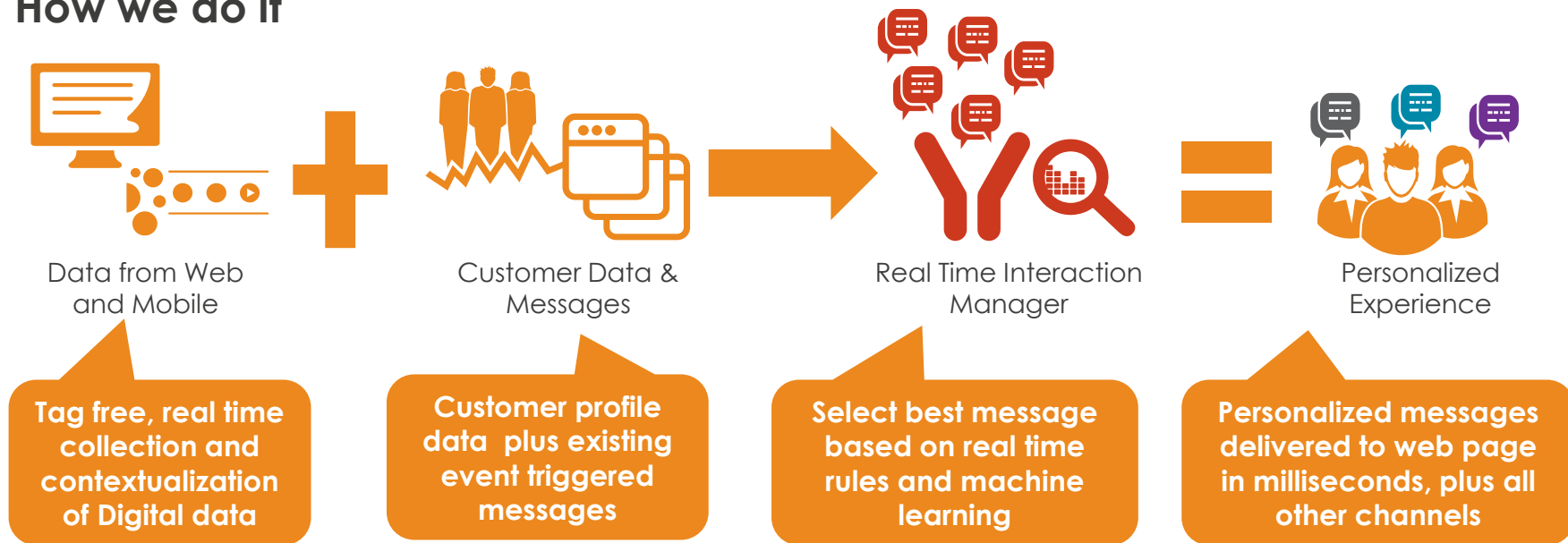
- >1000 messages available, many personalized, arbitrated in real time
- Sophisticated messaging strategy with real time rules and machine learning
- Sales, Service and Informational messages presented based on relevance to Customer Journey

Business Outcomes

- Up to 6m real time personalized messages delivered per day
- Click rates on messages >50x higher than untargeted messages (10-20% RR)
- Deployment time for new digital messages reduced by 80%

Customer Journey Management

How we do it



Actions Triggered & Decisions Enabled Across Channels

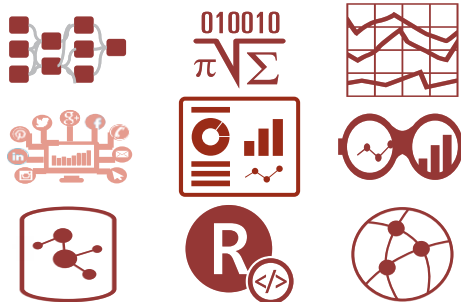
- Personalized sales messages
- Personalized service messages
- Information messages
- Pass alerts to offline channels
- Synchronized messaging across channels
- Alerts
- Strategy balancing

High Impact Business Outcomes

CONNECTED DATA



CONNECTED ANALYTICS

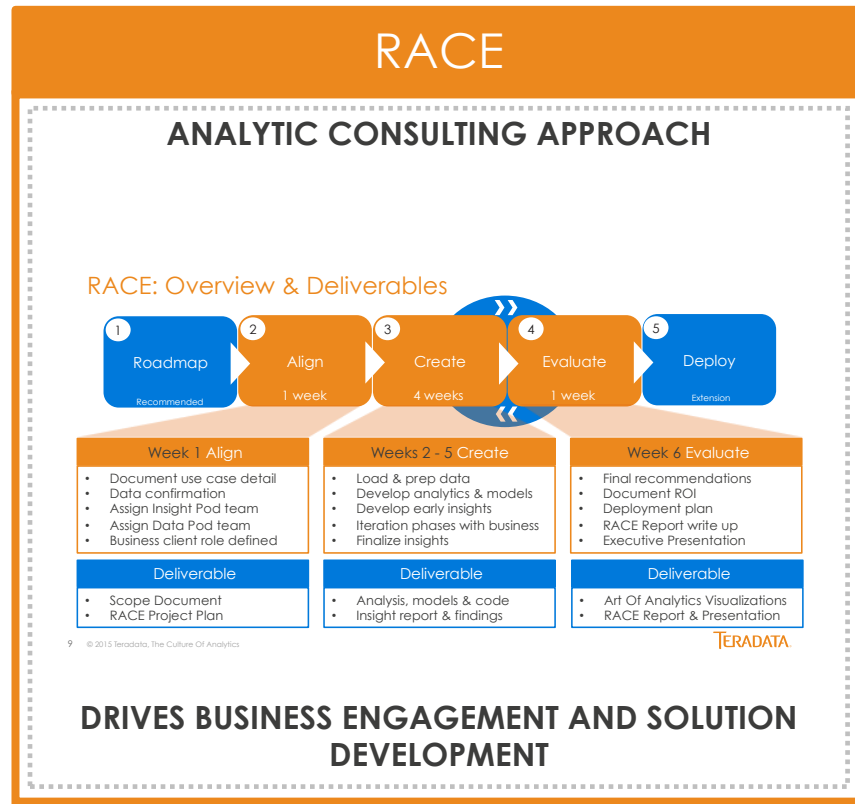
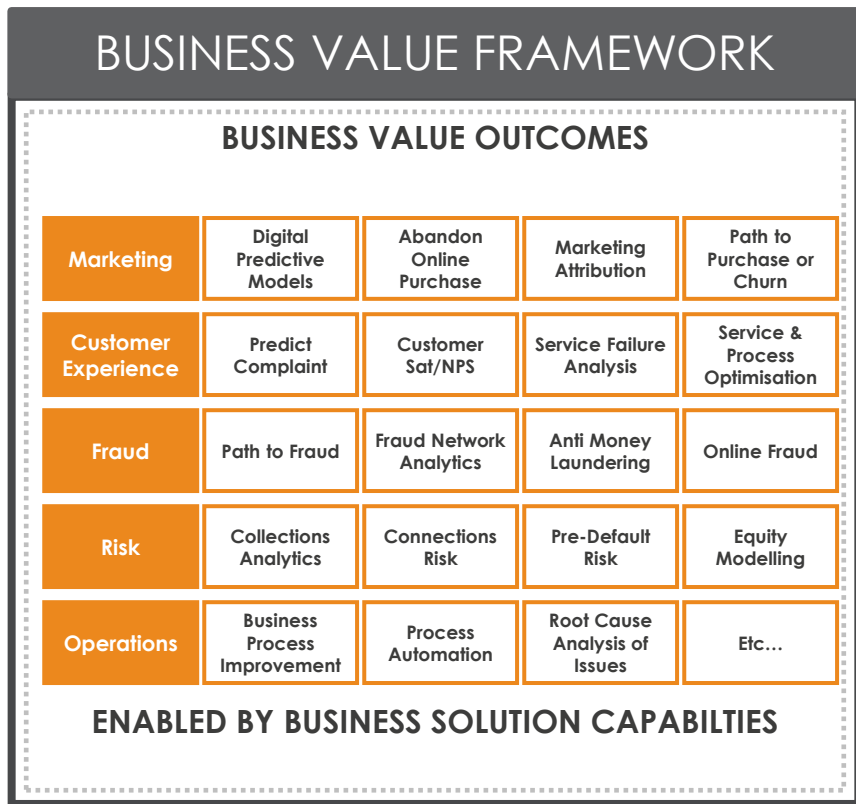


CONNECTED INTERACTIONS



Customer Journey Solution + Business Value Framework
= High Impact Business Outcomes

Business Consulting Led Approach

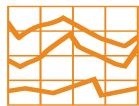


Customer Journey Solution Capabilities

Solution Teradata Client Needs



Digital Data Collection



Event & Interaction Views



Customer Identity Registry (SCV)



360° Customer View (MDM)



Actionable Analytics



Guided Analytics



Predictive & Adaptive Analytics



Visualization & Reporting



Personalized Messaging



Customer Journey Orchestration



Omni Channel Choreography



Contextual & Real Time Decisioning

Deployment Options: On premise, SaaS or Hosted

Connected Data

Connected Analytics

Connected Interactions

TERADATA

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