

SAS[®] Forum BeLux 2014

Turning Data into Value

Data Monetisation

Mike Turner

Monetisation the new business model

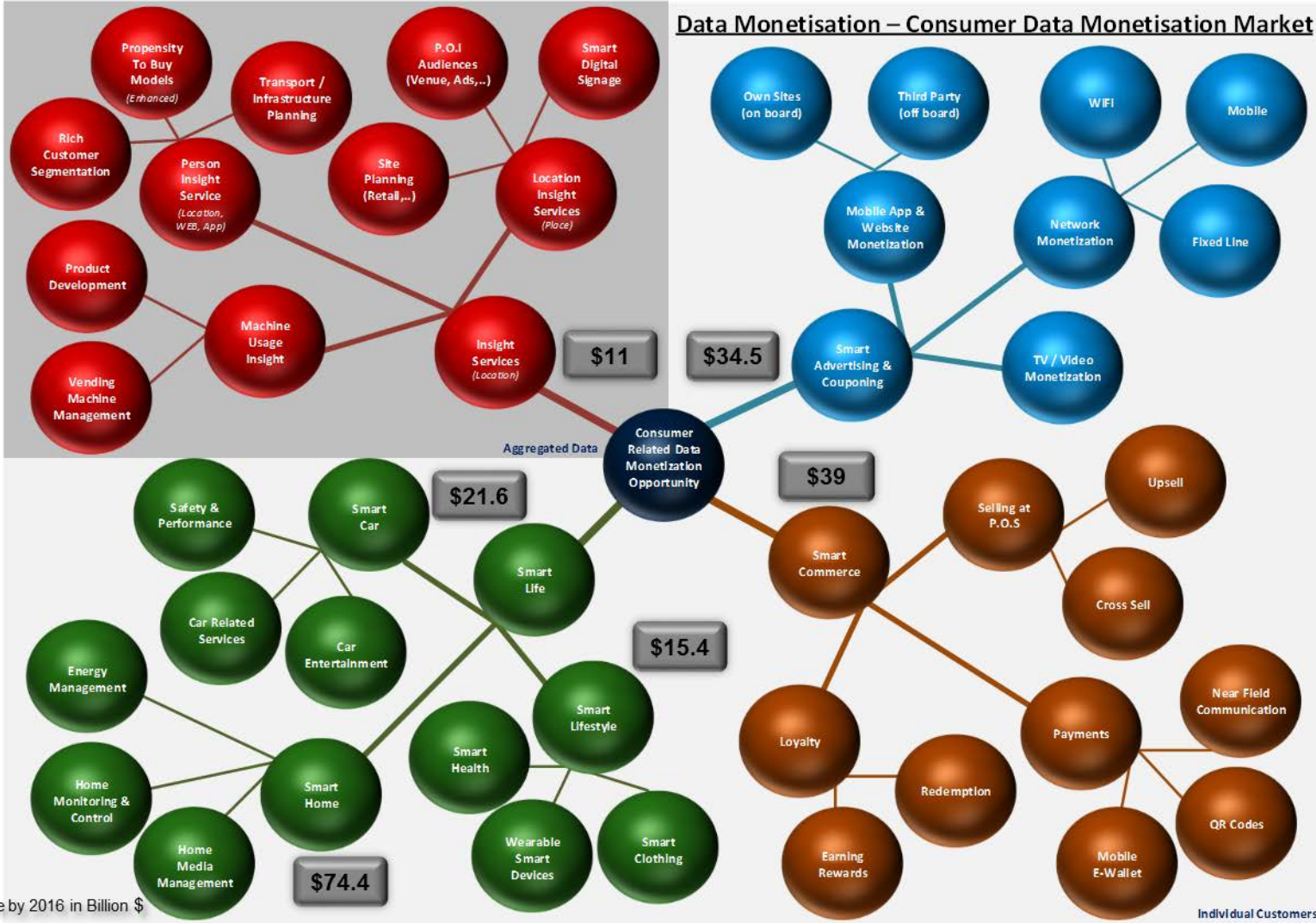


Data Monetization - What is data monetization

.....”a form of monetization, involves maximizing the revenue potential from available data by institutionalizing the capture, storage, analysis, effective dissemination, and application of that data. Said differently, it is the process by which corporations, large and small, leverage data to increase profit and efficiency, improve customer experience and build customer loyalty”



Data Monetisation – Consumer Data Monetisation Market



Figures: Global market size by 2016 in Billion \$

DATA MONETIZATION – DIGITAL DISRUPTION

Disruptors



Pillars of disruption



Mobile Social Cloud Big Data Analytics

Traditional Business Models ?

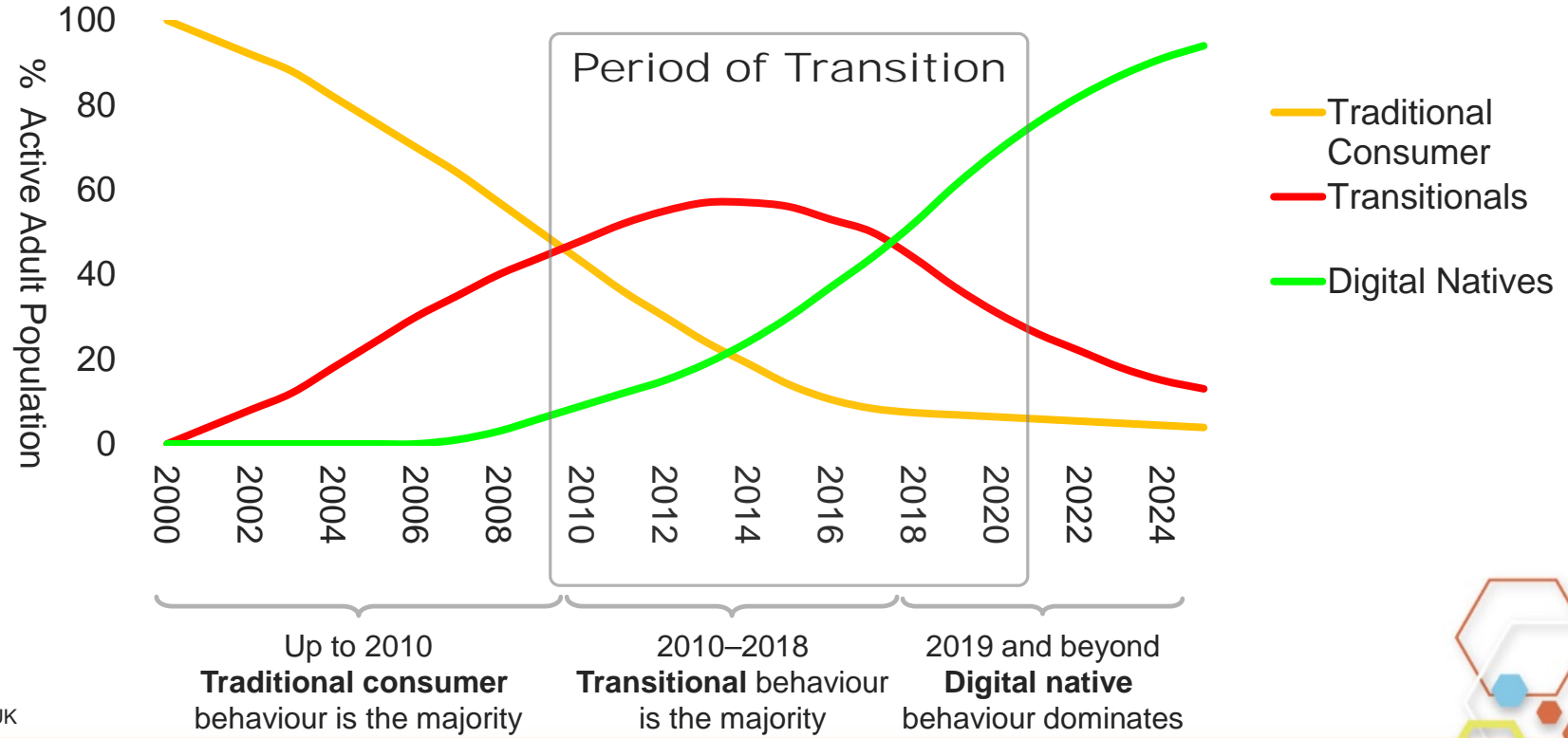
Digital disruption has demolished 52% of the Fortune 500 since 2000
(SOURCE: CONSTELLATION RESEARCH, 2014)

“But there is a bigger lesson - which is that a retailer without a substantial online presence, including mobile, is on a fast road to obsolescence” *Robert Peston - BBC*

* Company evaluation in billion USD, 2.4.2014 Reuters



Consumer Trends The decade of change



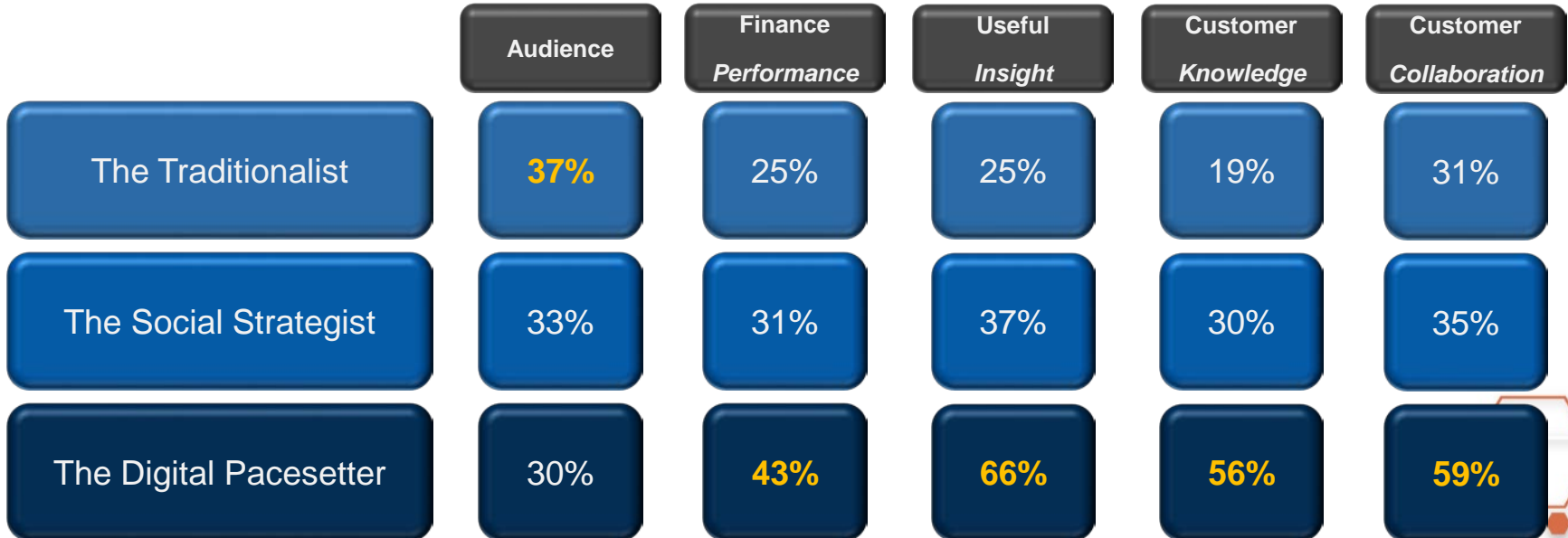
Source: PwC UK



Marketing Leaders – The Modern CMO

Three Key Findings

1. CMOs believe advanced analytics will play a significant role in helping them reach their goals, but feel underprepared to capitalize on the data explosion and social media.
2. CMO's influence on a strategic level is increasing within their companies.
3. CMO's see a significant business opportunity in mobile applications over the next 3-5 years



Customer Decision Hub - Direct Path to the customer



OMNI CHANNEL CHALLENGE

Single Channel

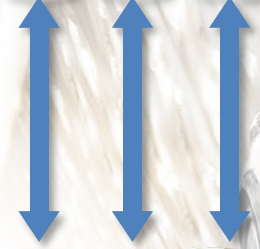
Single Touch Point



Single Touch Point

Multi-Channel

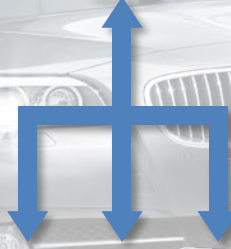
Multiple Touch Points Acting Independently



Channel Knowledge & Operations In Technical & Functional Silos

Cross-Channel

Multiple Touch Points Of A Single Brand



Single View Of Customer, Operate In Functional Silos

Omni-Channel

Brand Experience



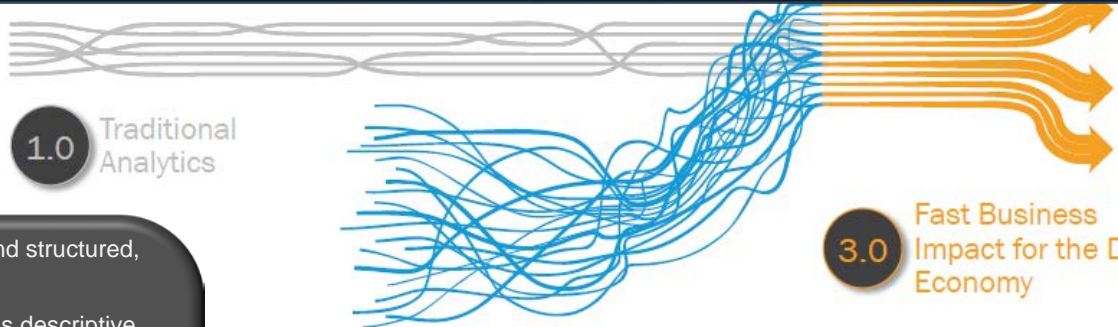
Single View Of Customer With Coordinated Strategy

Marketing Today – Consumers do not think in channels



Data Monetization - analytics are crucial in monetizing data

Big Data + Advanced Analytics + Embedded (real time) Decision Making = Monetization



1.0 Traditional Analytics

- Data sources relatively small and structured, from internal systems
- Majority of analytical activity was descriptive analytics, or reporting
- Creating analytical models was a time-consuming “batch” process
- Quantitative analysts were in “back rooms” segregated from business people and decisions
- Few organizations “competed on analytics”—analytics were marginal to strategy
- Decisions were made based on experience and intuition

2.0 Big Data

- Complex, large, unstructured data sources
- New analytical and computational capabilities
- Data Scientists” emerge
- Online firms create data-based products and services

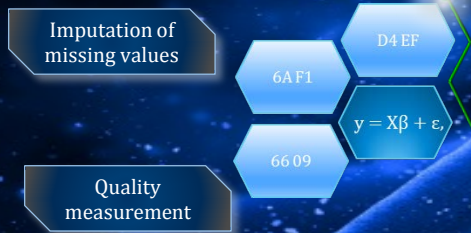
3.0 Fast Business Impact for the Data Economy

- Analytics integral to running the business; strategic asset
- Rapid and agile insight delivery
- Analytical tools available at point of decision
- Cultural evolution embeds analytics into decision and operational processes
- All businesses can create data-based products and services



DIGITAL DNA

Acquisition

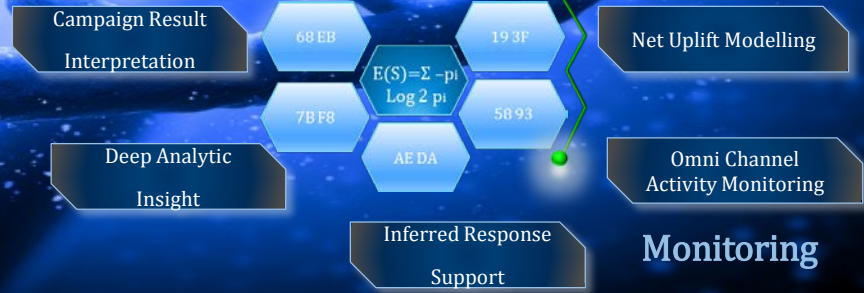


Insight

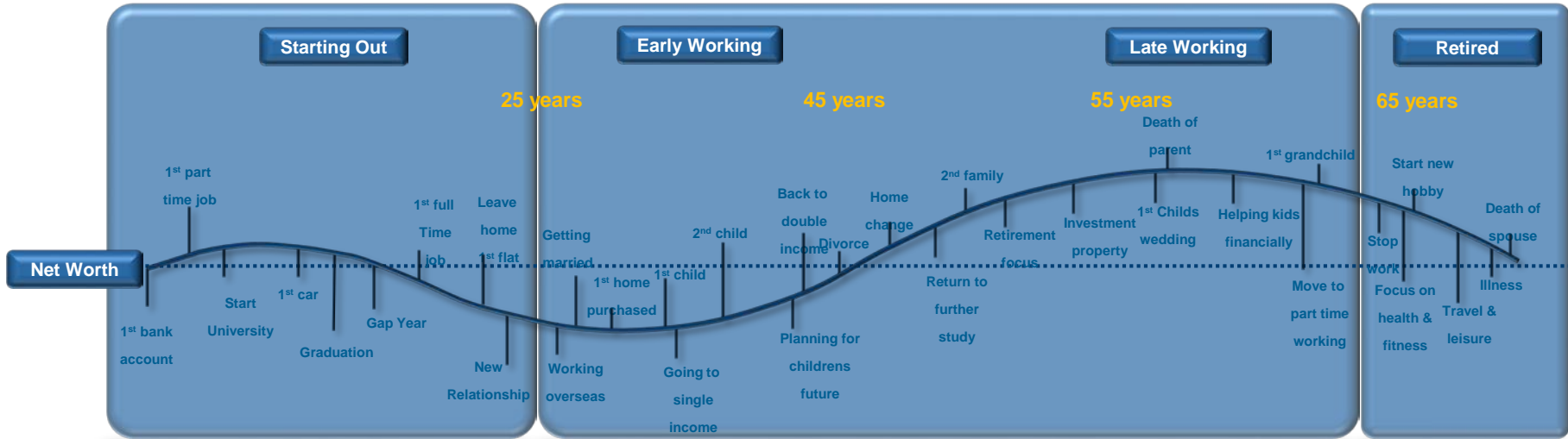


DIGITAL DNA Score 81.3%
PROFILE R.A.G ■■■■■■■

From data acquisition and on boarding through to insight , understanding and on going Monitoring. Analytics drives enhancement, interpretation and understanding at all levels

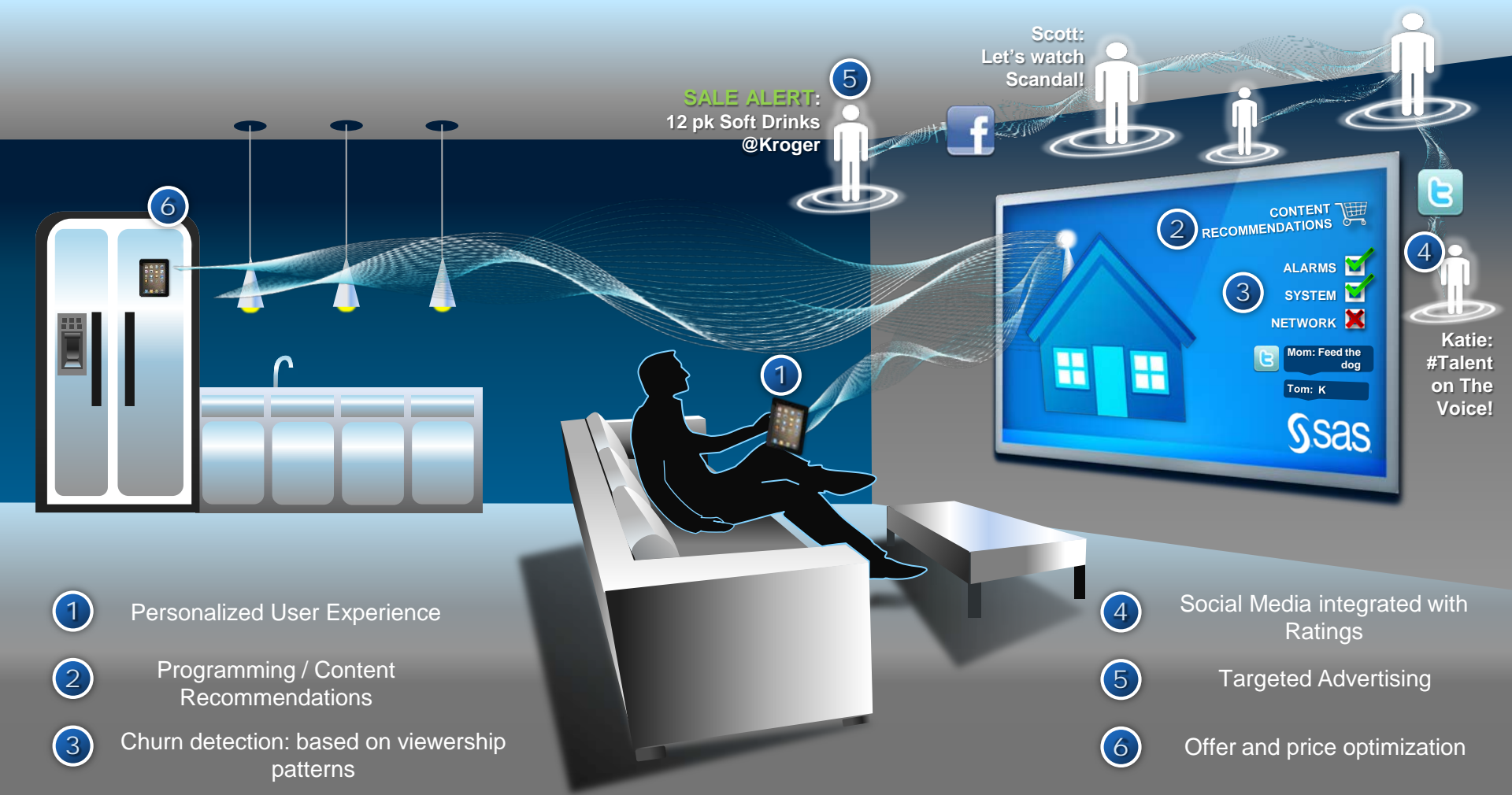


Data sourcing – Life stage events and Big Data



Campaign Library





- ① Personalized User Experience
- ② Programming / Content Recommendations
- ③ Churn detection: based on viewership patterns

- ④ Social Media integrated with Ratings
- ⑤ Targeted Advertising
- ⑥ Offer and price optimization

Data Monetisation – Operating Models

Brands

- Organisations work collaboratively with their customer data and get relevant customer data in return through new Ecosystems
- Travel / Entertainment / Hospitality
- Small Retailers
- Small Banks & Insurance
- CPG single brand
- Consumer Electronics
- Small local businesses



1000s per Country

Differentiation

Brand Led Ecosystem

- Brands with own named customer base that are strong enough to lead their own Eco system
- Strong Lifestyle Brands: Clothing, Cars, Sport teams
- Big Retail Chains
- Travel related Ecosystems (like Airline Alliance)
- M2M (car, utilities for home, health)
- CPG Group brands
- Large Banks, Insurers



10s per Country

Innovation

New Hub Ecosystem

- Spin offs or 'Green Field' companies that broker information
- JVs such as Telco originated starting from messaging
- Banking originated starting from payment processing
- Start up originated starting from any mobile oriented opportunity



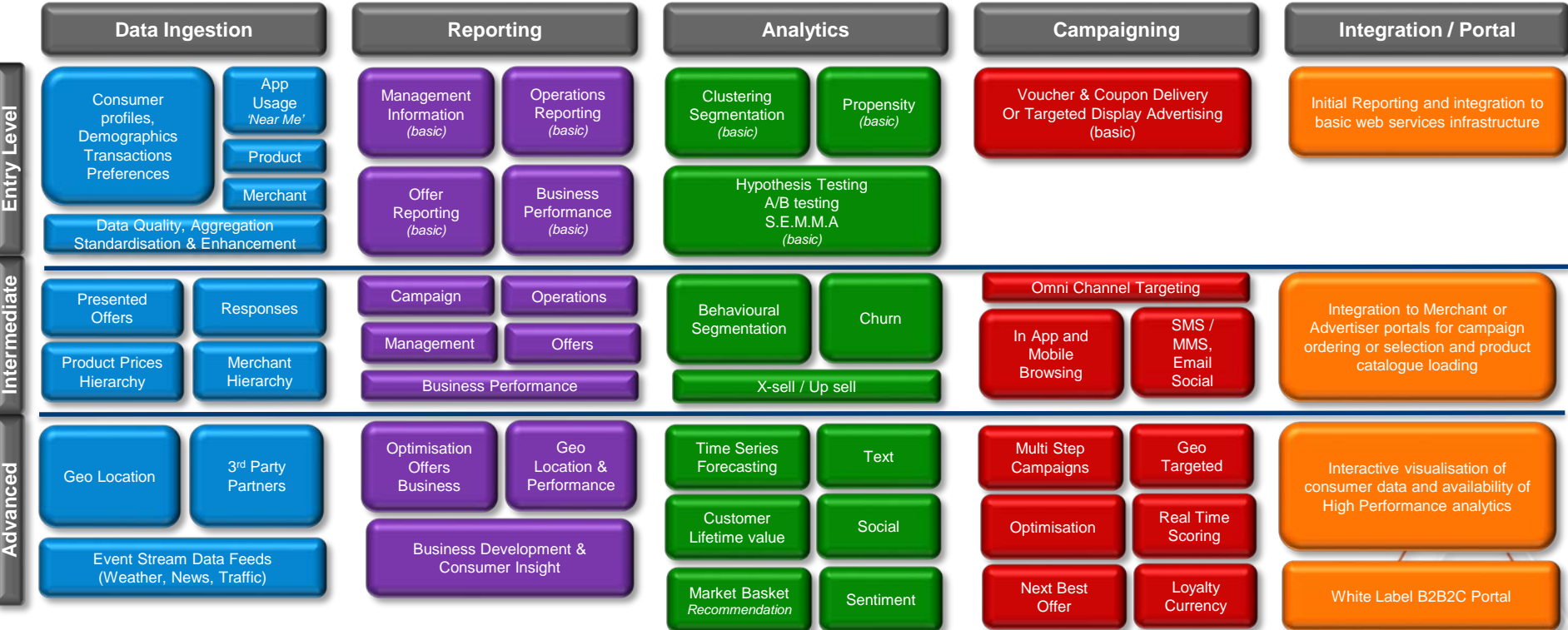
1 or 2 per Country

Transformation

3rd party service providers and contributors (Agencies, Business Services, Bureaus, Solution Services, etc.)



Monetisation - Key Service components



Privacy – What should we do?



European
Privacy Seal

DE-110026 / Valid till 2013-08



ValidSoft



- Structured and multi tiered opt in programs
- Consumer Privacy Controls
- Personal data capture, storage and ongoing use
- Retention and Encryption methods
- Passive Data Collection



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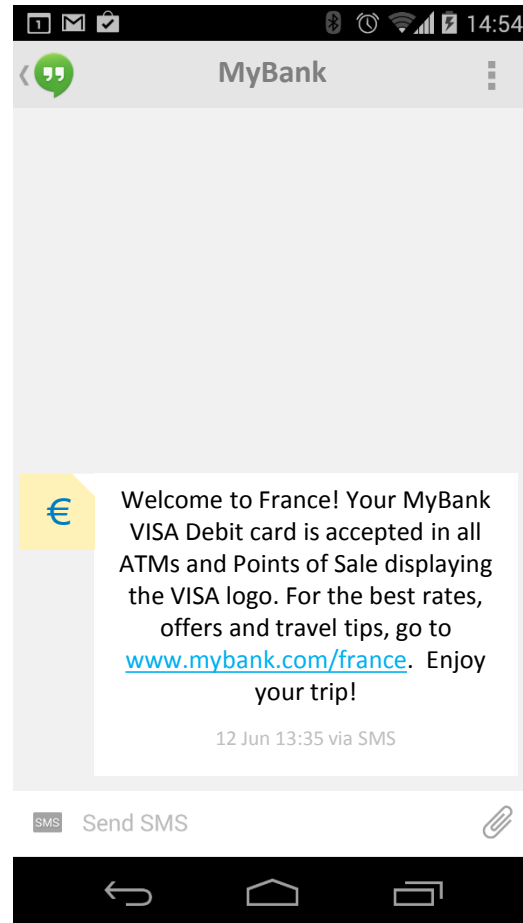
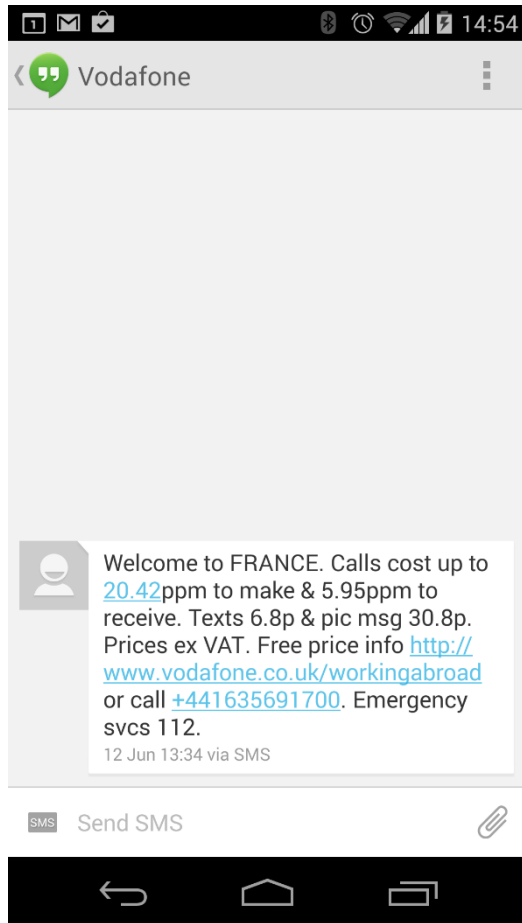


Data Monetisation

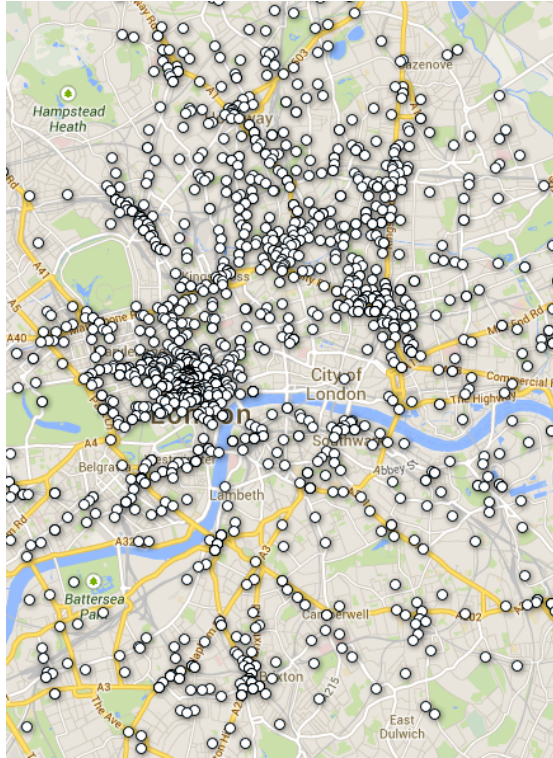


Example Financial Services Market propositions

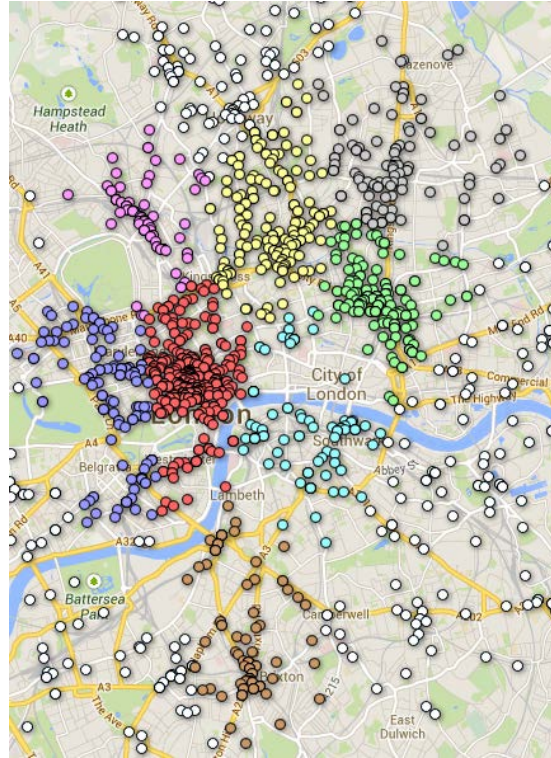




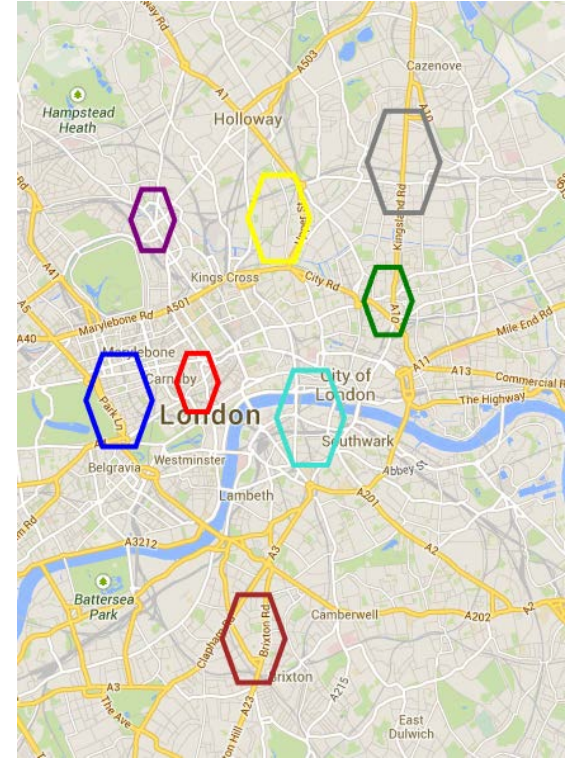
1. Download open crime data from data.police.uk



2. Create geographical clusters of high crime with SAS

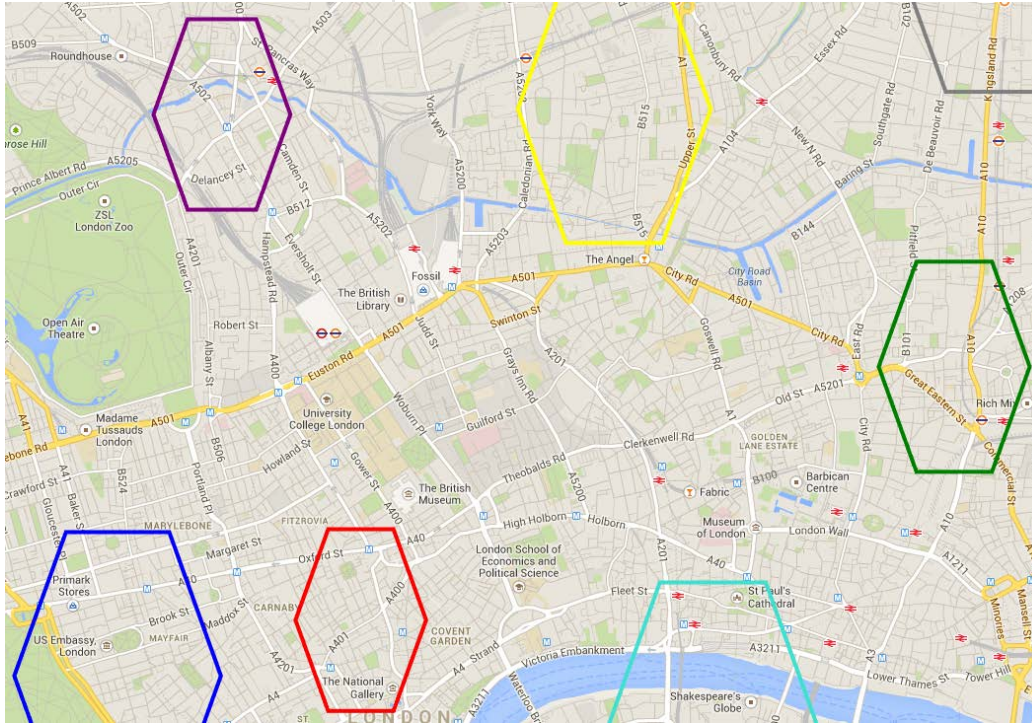


3. Programmatically create actionable geofences from clusters with SAS



Fraud

FRAUD AWARENESS / DUTY OF CARE



Other MyBank card-holders have reported fraud in the Shoreditch area. Please take care of your card! For card safety tips go to www.mybank.com/safe.

12 Jun 13:35 via SMS



- Notes
- Data: Metropolitan Police Service 'theft from person' data, March 2014, <http://data.police.uk/data/>
- Clustering with SAS FASTCLUS Procedure
- Visualisation: Google Fusion and Maps
- Photo: (c) Transport for London



Telefonica

Data Monetisation



Example Telecommunications Market propositions

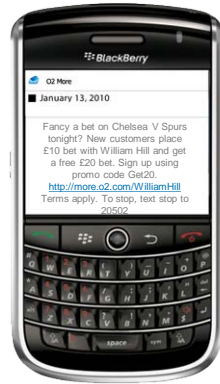
Media

Click to call



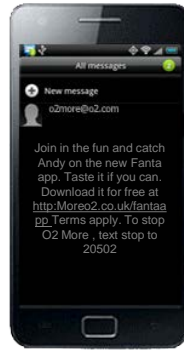
Direct Response

Click to M-Site



Acquisition

Click to App



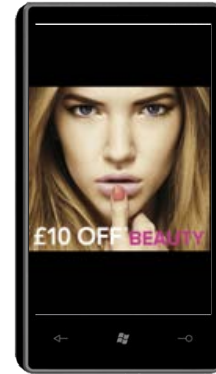
Download

Location Based Messaging



Promotion

MMS



Engagement

Video



Awareness

Making the little things easier

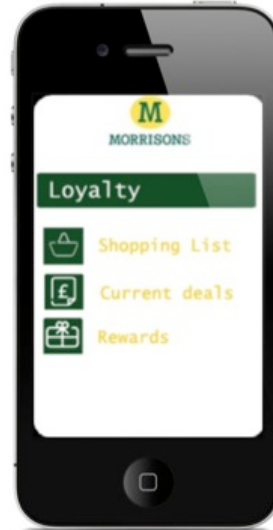
Encompassing

- Loyalty cards
- Travel cards
- Payments

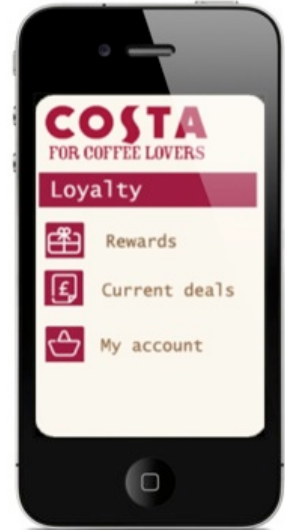


Building long term loyalty

Connecting the physical to the digital



Create a new loyalty programme



Mobilise existing programme

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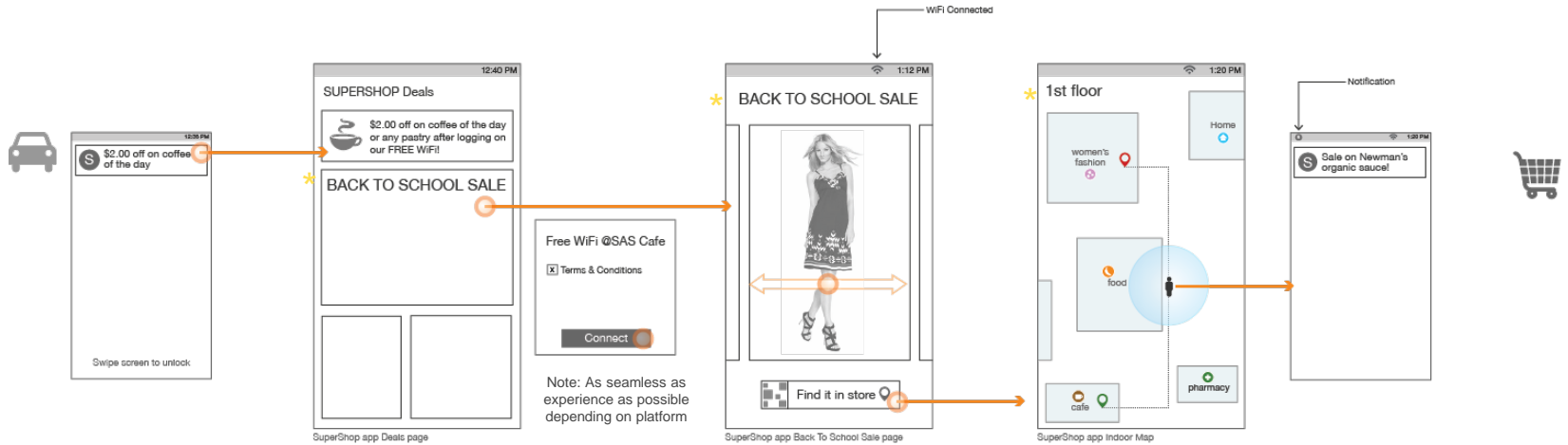
Data Monetisation

Example Retail Market propositions



Case 1 Sally

DEDICATED CUSTOMER



Based on a geo-fence around the store, a notification pops up while Sally is parking her car with a special offer

Tapping on the notification takes Sally into the app where she starts the process of connecting to the WIFI network

Sally browses Back To School Sale offers on her app while she is enjoying coffee, and sees a dress that she is interested in

Sally is passing by the food section on her way to look at clothing from the Back To School Sale. The app sends her a notification alerting her to an item that might interest her based on the recipes she has saved recently

Parking lot

Cafe

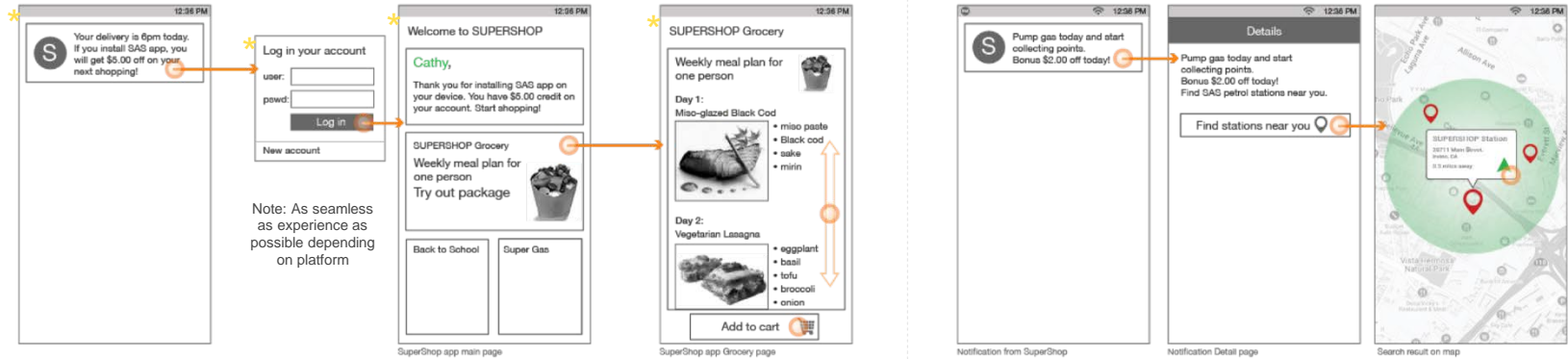
Shopping

Payment

Seamless Store Experience

Case 2 Cathy

HOME BASED SHOPPER



Cathy receives an offer for installing the app

After logging into her account, Cathy sees confirmation of the credit to her account for installing the app, and notices a package offer that interests her

Cathy appreciates that the package offer uses her past order history to create a meal plan that works for her.

On the weekend, Cathy is driving to visit her parents. On her way, she receives a notification from the app with an offer for 2 dollars off on gas. Tapping on the notification takes her into the app where she can find nearby stations and press go to navigate to the station

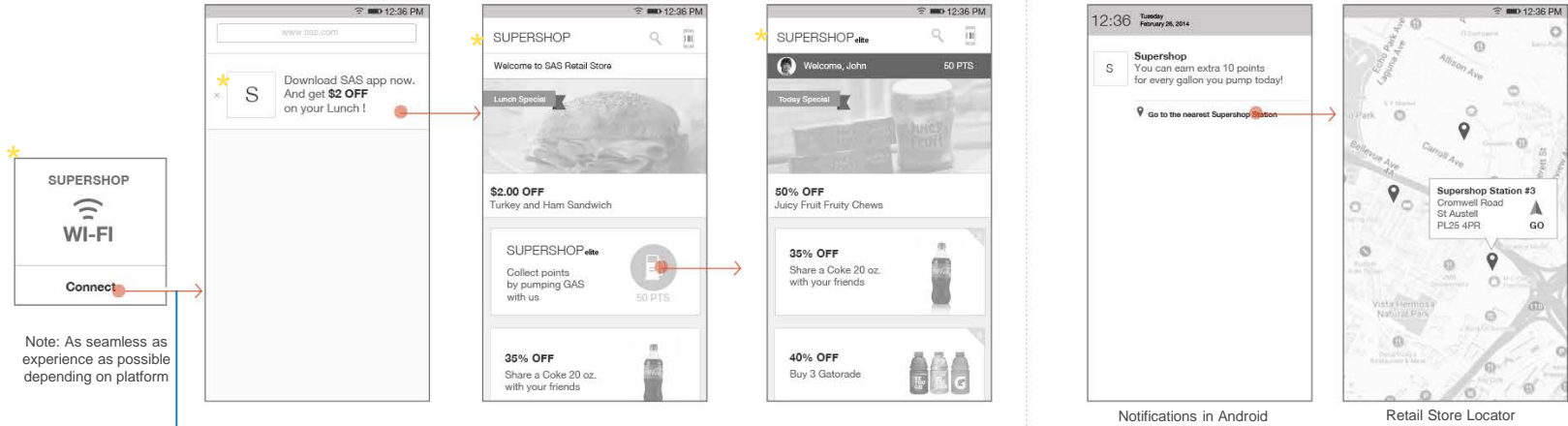
PC_Web

Shopping

Gas Station

Smooth transition from pc_web experience to app experience

Case 3 John THE ANONYMOUS SHOPPER



Note: As seamless as experience as possible depending on platform

When John connects to WIFI in the shop he sees an offer if he downloads the app

Once John installs the app he see the offer for lunch and also sees additional offers for the station and possibly the retail store.

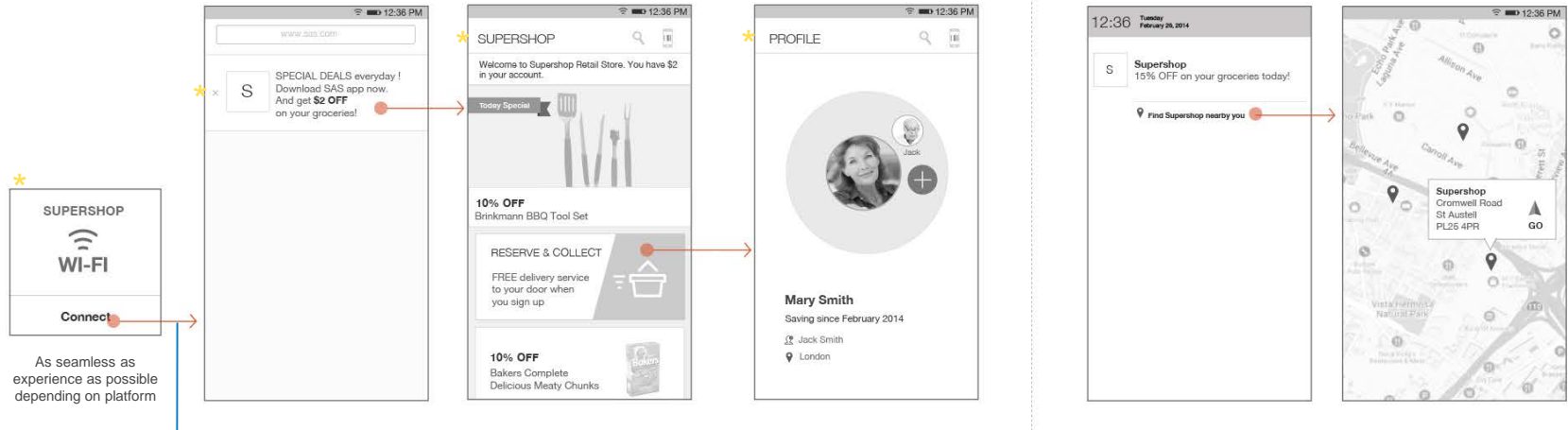
If John creates an account and becomes an elite member, personalized offers are shown based on John's purchase history.

In addition, John can choose to share the offer to friends.

Converting anonymous customer to elite customer

Case 4 Mary & Jack

THE BARGAIN HUNTERS



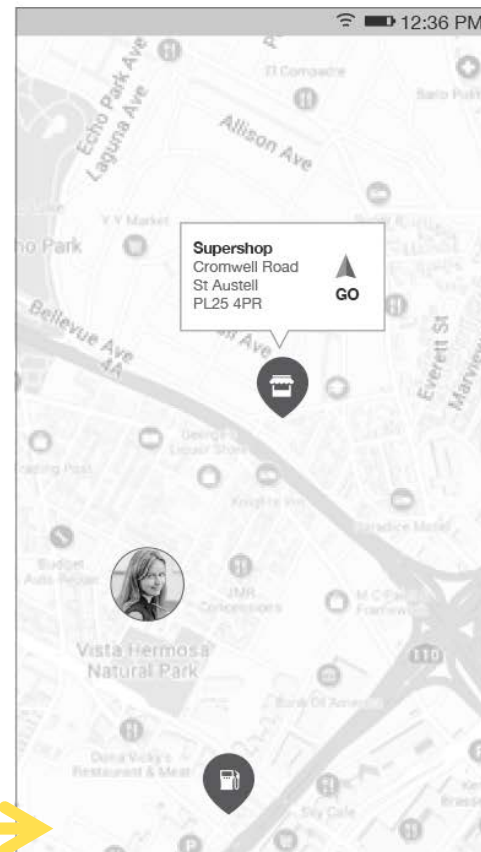
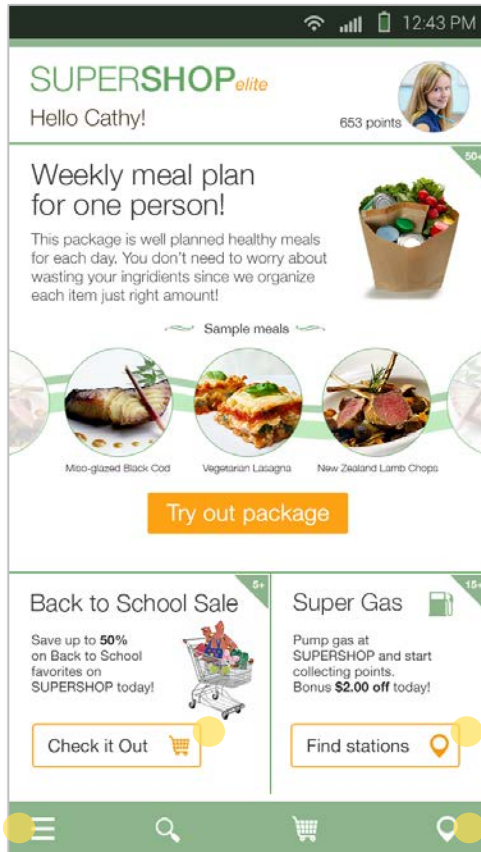
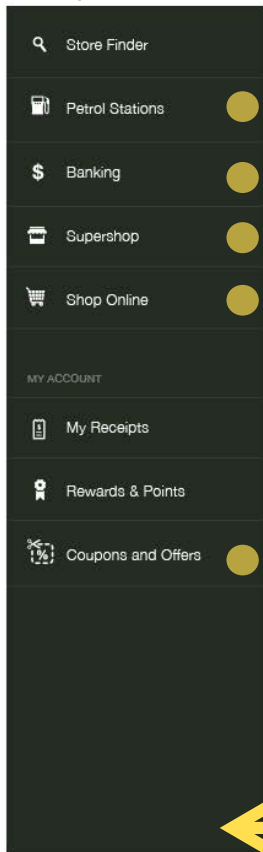
Transforming the bargain hunter to elite shopper

Retail

THE EXTENDED RETAIL EXPERIENCE

KEY VALUE:

- Find stores, banks, and petrol stations near you and navigate there
- Receive location based deals when and where they matter the most via geo fence and beacon technologies
- Indoor mapping plus directions to help you find what you are looking for quickly and efficiently
- Browse a map based view of deals and offers both indoors and outdoors.



Summary – Key Issues and Topics

- Data Monetisation is a real opportunity now
- Analytics and big data power this new opportunity through a customer decision hub
- Privacy is a real issue but one that can be managed
- There are opportunities in all market sectors and companies need to look to adjacent market sectors and possible partnerships and collaborations
- Don't be a 'me to' player look to be truly disruptive and original for longevity.



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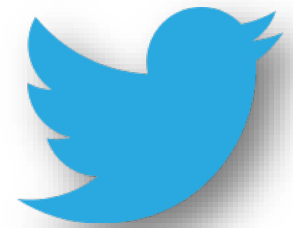
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Thank You & Any Questions



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5. What is the estimated billion dollar value of Smart Commerce by the end of 2016?

- A. \$11
- B. \$21.6
- C. \$39

Tweet your answer:

Example: @spicyanalytics 5C

Start of your tweet Question # Your answer

Prizes to win:

- 1st prize: a ticket for Analytics 2015
- 2nd prize: a book of Prof Bart Baesens: “Analytics in a big data world”
- 3rd to 30th prize: chocolates with pepper

Winners will be contacted post-Forum !