

CRM

Customer Relationship Management

Mestrado em Marketing

Aula 8

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Cronograma

Aula	Dia	Agenda	Artigo	Caso
1	20-Fev	Conceitos introdutórios.		
2	06-Mar	Estratégia. Valor. Integração multicanal. Fidelização.	1	1
3	13-Mar	Gestão de informação. Tecnologias.	2	2
4	20-Mar	Tecnologias. Implementação. ERP.	3	3
5	27-Mar	Apresentação de software.		
6	03-Abr	Apresentação de software.		
7	24-Abr	Web 2.0. CRM Social. Customer Experience.	4	4
8	08-Mai	Analytics. Big Data. CRM para PMEs.	5	5
9	15-Mai	Apresentação de trabalhos.	6	
10	22-Mai	Apresentação de trabalhos.	7	

Artigos académicos

#	Artigo
1	Chen, I. J., & Popovich, K. (2003). Understanding customer relationship management (CRM) People, process and technology. <i>Business process management journal</i> , 9(5), 672-688.
2	Wahlberg, O., Strandberg, C., & Sandberg, K. W. (2009). Trends, Topics and Under-Researched Areas in CRM Research-A Literature Review. <i>International Journal of Public Information Systems</i> , 5(3).
3	Frow, P., Payne, A., Wilkinson, I. F., & Young, L. (2011). Customer management and CRM: addressing the dark side. <i>Journal of Services Marketing</i> , 25(2), 79-89.
4	Nguyen, B., & Mutum, D. S. (2012). A review of customer relationship management: successes, advances, pitfalls and futures. <i>Business Process Management Journal</i> , 18(3), 400-419.
5	Yawised, K., Marshall, P., & Stockdale, R. (2013). Social CRM: A Review of the Academic and Practitioner Literatures and Research Agendas. In Malaysian Conference on Information Systems (pp. 101-107).
6	Rosman, R., & Stuhura, K. (2013). The implications of social media on customer relationship management and the hospitality industry. <i>Journal of Management Policy and Practice</i> , 14(3), 18.
7	Malthouse, E. C., Haenlein, M., Skiera, B., Wege, E., & Zhang, M. (2013). Managing customer relationships in the social media era: Introducing the social CRM house. <i>Journal of Interactive Marketing</i> , 27(4), 270-280.

Agenda

- **Customer experience**
- Social media
- Mobile
- Analytics
- Big Data
- IoT

Experiência do consumidor

- **A experiência do consumidor engloba todos os aspectos da oferta de uma empresa;**
- **É a resposta interna e subjectiva do consumidor face a qualquer contacto directo ou indirecto com uma empresa:**
 - O contacto directo geralmente ocorre no decurso de uma compra, utilização, ou serviço e é normalmente iniciado pelo cliente;
 - Contato indirecto na maioria das vezes envolve encontros não planeados com representações de uma empresa, serviço ou marca e assume a forma de wom ou críticas, publicidade, notícias, revistas, etc.
- **A satisfação do consumidor é, essencialmente, o culminar de uma série de experiências do cliente ou o resultado líquido das boas experiências menos as más.**

(Meyer and Schwager, 2007)
- **O comportamento do consumidor**, que foi baseado na aprendizagem através da experiência, levando a uma resposta previsível é desafiado pela noção de experiência como um fenómeno essencialmente hedonista.

(Palmer, 2010)

Experiência do consumidor

- Devido ao poder dos consumidores, quando existe **insatisfação do cliente**, a sua **disseminação é cada vez mais perigosa**;
- Embora as empresas saibam muito sobre os hábitos de compra dos clientes, os seus rendimentos e outras características utilizadas para classificá-los, elas **sabem pouco sobre os seus pensamentos, emoções e sobre os estados de espírito** que as interacções dos clientes com os seus produtos, serviços e marcas podem induzir;
- A não ser que as empresas conheçam essas experiências subjectivas e o papel que cada função desempenha na sua modelação, a satisfação do cliente é mais uma frase do que um objectivo atingível.

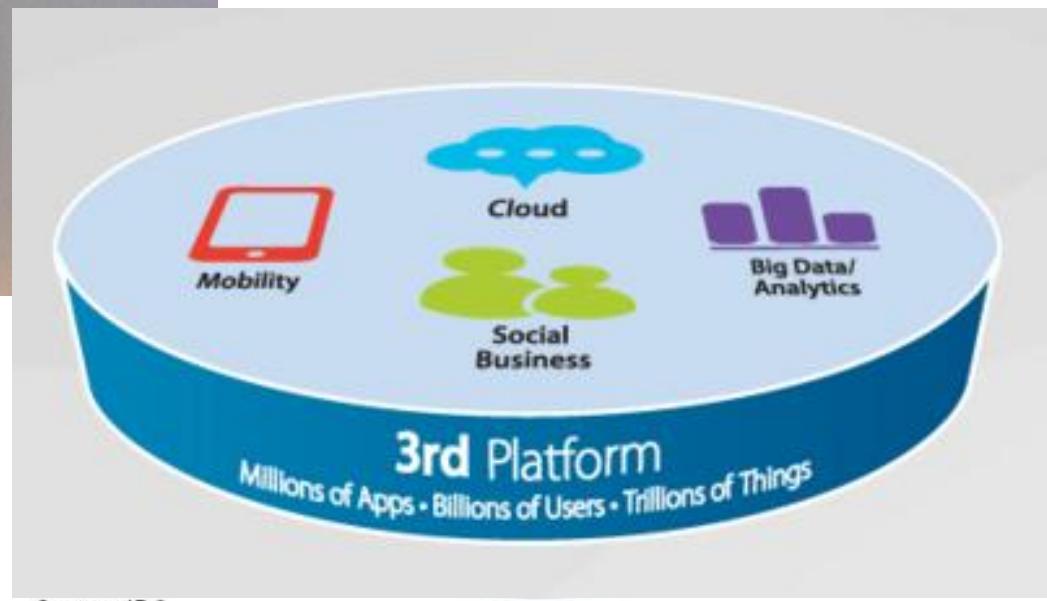
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Technology Priorities for CIOs in 2016

- 1 BI/Analytics
- 2 Cloud
- 3 Mobile
- 4 Digitization/Digital Marketing
- 5 Infrastructure & Data Centre
- 6 ERP
- 7 Security
- 8 Industry Specific Applications
- 9 CRM
- 10 Networking/Voice/Data Communications

TOP
10



Participação das empresas em iniciativas de social media

- Existe uma **falta de compreensão** sobre o que é social media e as diversas formas que pode tomar (Kaplan & Haenlein, 2010)
- Muitas **empresas ignoram, ou gerem mal**, as oportunidades e ameaças apresentadas pelos seus consumidores mais criativos (Berthon et al., 2007)
- Embora seja claro que - para melhor ou para pior - social media é um meio muito poderoso, muitos **executivos são relutantes ou incapazes de desenvolver estratégias** e de alocar recursos para envolver efetivamente as suas empresas (Kietzmann et al., 2011)

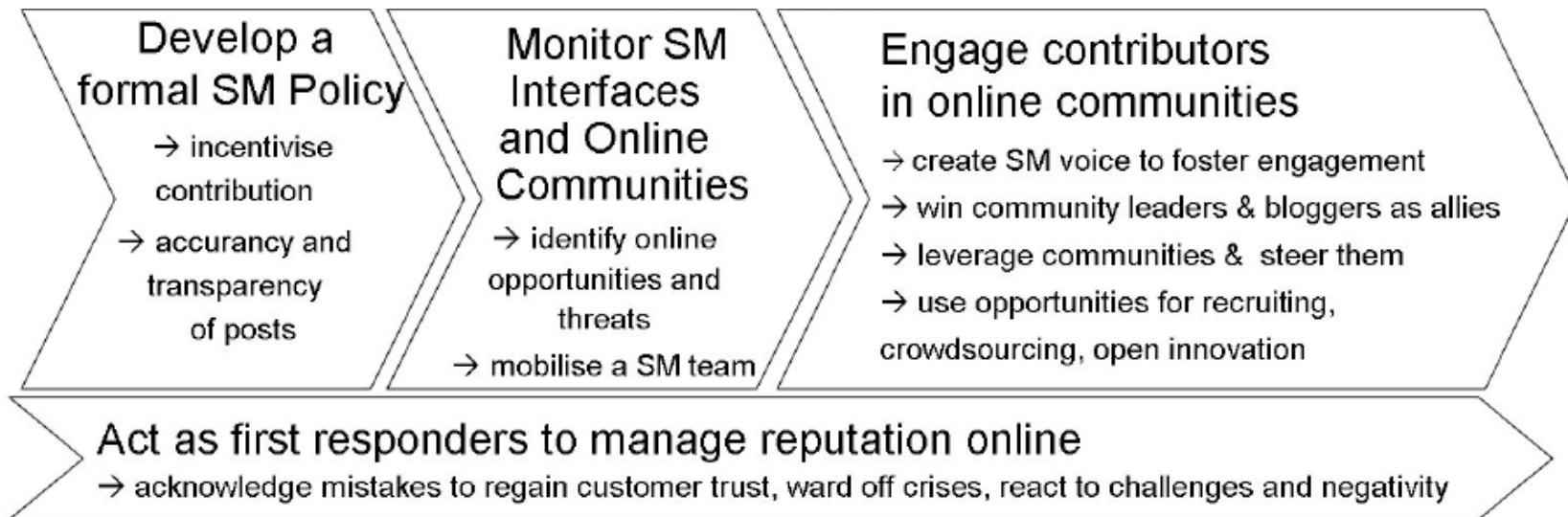
Customer engagement em social media

- Engagement é uma qualidade da experiência do utilizador com a tecnologia que se caracteriza por desafio, estética e apelo sensorial, feedback, novidade, interactividade, percepção e controle de tempo, consciência, motivação, interesse e afecto. (O'Brien and Toms, 2008)
- Engaging em social media ajuda a fortalecer a experiência de marca que irá apoiar a construção da marca;
- Social media ajuda a construir uma boa reputação para uma organização;
- Através de social media, a empresa pode reforçar a marca duma forma continuada;
- O social media funciona como uma poderosa forma de comunicar o valor e os atributos da marca, pois facilita formas de comunicação abertas.

Estratégia de implementação de social media

Equipa dedicada de Social Media

As empresas precisam de uma **equipa dedicada** de social media, que deve desenvolver **políticas e estratégias** para a gestão das comunidades online, tanto na defesa contra ameaças, como para encontrar formas construtivas para fomentar o engagement.



(Kane et al., 2009)

Social Media Policies and Guidelines

<http://socialmediagovernance.com/policies.php>

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Mobile market key drivers

- Ubiquity
- Reachability
- Security
- Convenience
- Localization of service and applications
- Instant Internet connectivity from a mobile phone
- Personalization

(Ranjan and Bhatnagar, 2009)

mCRM

The **mobile** medium performs essentially the **same function as any other channel** within CRM;
...**communication**, either one-way or interactive, which is **related to sales, marketing, and customer service** activities conducted through the **mobile** medium for the purpose of **building and maintaining customer relationships** between a company and its customer(s).

(Sinisalo et al., 2007)

Initiatives

- Advertising through SMS
- Promotional campaigns through SMS
- Offer dependent on the locations (via LBS)
- Sales force mobile tools
- Loyalty card in the mobile phone
- QR code (*Quick Response Code*) use
- Mobile apps
- Push notifications
- Georeferencing
- iBeacons
- ...

"Mobile is the perfect device for Facebook for three reasons. It allows us to **reach more people**. We have **more engagements** from the people who we reach. And I think we'll also be able to **make more money** for each minute people spend with us on their mobile devices."

—Mark Zuckerberg, speaking during Facebook's Q4 2012 earnings call



www.eMarketer.com

60% of worldwide active users access the service via mobile. In the UK, 80% do.

"When you look at the behavior of mobile users on Twitter, they are **double digit more likely to re-tweet, double digit more likely to reply**" compared to non-mobile users.



—Joel Lunenfeld, Twitter's vice president of global brand strategy

www.eMarketer.com

Mobile Marketing is key to Coca Cola's expansion plans

Coke got together with Google's adMob agency and created apps for both Android and IOS which really did enable the user to buy a bottle of coke for a stranger half way around the world;

http://www.youtube.com/watch?v=45Z-GevoYB8&feature=player_embedded

http://www.gomonews.com/mobile-marketing-is-key-to-coca-colas-expansion-plans/?utm_source=feedburner&utm_medium=email&utm_campaign=Feed%3A+GomoNews+%28GoMo+News%29

Mercedes-Benz coloca iPhone sobre rodas

14 março 2012



A Mercedes-Benz decidiu ser pioneira e apostar no desenvolvimento de projetos que permitissem ligar os smartphones ao sistema de informação e entretenimento dos automóveis. O conceito de experiência do utilizador do novo Classe A é o primeiro a chegar ao mercado com o sistema do iPhone da Apple integrado.



<http://www.fibra.pt/conteudos/4723-mercedes-benz-coloca-iphone-sobre-rodas.html>

The Multi-Screen Marketer

- As devices get **smaller and more powerful**, our culture is shifting toward **instant communication, immediate information gratification and multi-tasking**;
- **Consumers are viewing multiple streams of content simultaneously** (TV and smartphone), across a plethora of devices, and brands are learning to chase them across **tablets, smartphones, laptops, and televisions** with tremendous potential for engagement and sales.

Sky Go “TV anywhere” model

- Sky’s **second screen app** allows their customers to consume Sky content on a range of **connected devices away from the main screen in the home, or on the move outside of the home**, also for non-Sky customers;
- The personal nature of the **second screen experience**, be it on smartphone or tablet, where the **consumer is signed-in** to the service, **allows for advertising to be targeted to the individual**, rather than at the household level;
- This should result in **more effective advertising** as consumers receive adverts they feel are relevant to them, which should lead to **better advertising rates for the broadcaster**.

Mobile is changing our lives



Mobile phone lane for pedestrians in Chongqing, China



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“If you can’t measure it, you can’t manage it”

Peter Drucker

Métricas de CRM

Marketing metrics	Sales metrics	Service metrics
<ul style="list-style-type: none">• Number of campaigns• New customer retention rates• Number of responses by campaign• Number of purchases by campaign• Revenue generated by campaign• Cost per interaction by campaign• Number of new customers acquired by campaign• Customer retention rate• Number of new leads by product• Number of customer referrals	<ul style="list-style-type: none">• Number of prospects• Number of new customers• Number of retained customers• Number of open opportunities• Close rate• Renewal rate• Number of sales calls• Number of sales call per opportunity• Amount of new revenue• Amount of recurring revenue• Time-to-close by channel• Margin• Sales stage duration• Sales cycle duration• Number of sales calls made• Number of proposals given• Competitive knockouts	<ul style="list-style-type: none">• Cases closed same day• Number of cases handled by agent• Number of service calls• Average number of service requests by type• Average time-to-resolution• Average number of service calls per day• Percentage compliance with service-level agreement (SLA)• Percentage of service renewals• Customer satisfaction level• Complaint time-to-resolution• Propensity for customer defection

Source: October 1, 2007, "The Right CRM Metrics For Your Organization" report

Source: Forrester Research, Inc.

Social media analytics

- Social media analytics refere-se ao **desenvolvimento e avaliação de ferramentas e estruturas** para **colectar, monitorizar, analisar, resumir e visualizar dados de social media**
- A investigação em social media analytics serve diferentes objectivos:
 - Facilitar conversas e interacção entre comunidades online
 - Extrair padrões significativos e a inteligência associada
- Análise de um conjunto enriquecido de dados ou metadados:
 - Tags (anotações ou labels com texto livre) /opiniões subjectivas, avaliações e comentários / classificações /perfis de utilizador
 - Os dados de social media são fluxos **dinâmicos**, com o seu volume a aumentar rapidamente e o seu tratamento coloca desafios significativos

(Zeng et al., 2010)

Métricas de monitorização

Metric	Description
Conversation buzz	The amount of discussion around certain topics, generally determined by the number of responses to blog posts or online discussions. A widely read news site may post a story, but if there are no comments and no readers discussing the topic, then it shows little consumer interest.
Conversation value	The revenue contribution of a conversation about a particular product or brand. Proposed by Chat Threads, this metric comes from understanding how conversations spread through different channels and the incremental value each conversation adds to the brand's bottom line.
Conversation volume	The number of social media entities (blog posts, forum discussions, tweets, etc.) discussing a topic. Volume is a stronger metric when measured over time — marketers use conversation volume to set baselines for future campaigns.
Demographic metrics	The collection of metrics making up the background details of online consumers. Listening platforms can collect data on consumer location, gender, and age. Marketers use demographic data to determine whether their campaigns reach targeted consumers.
Level of influence	The authority of an online consumer, measured by his or her overall reach online. A consumer with a highly read blog and thousands of Twitter followers is assigned a high influence score, while a commenter on a small forum has low influence.

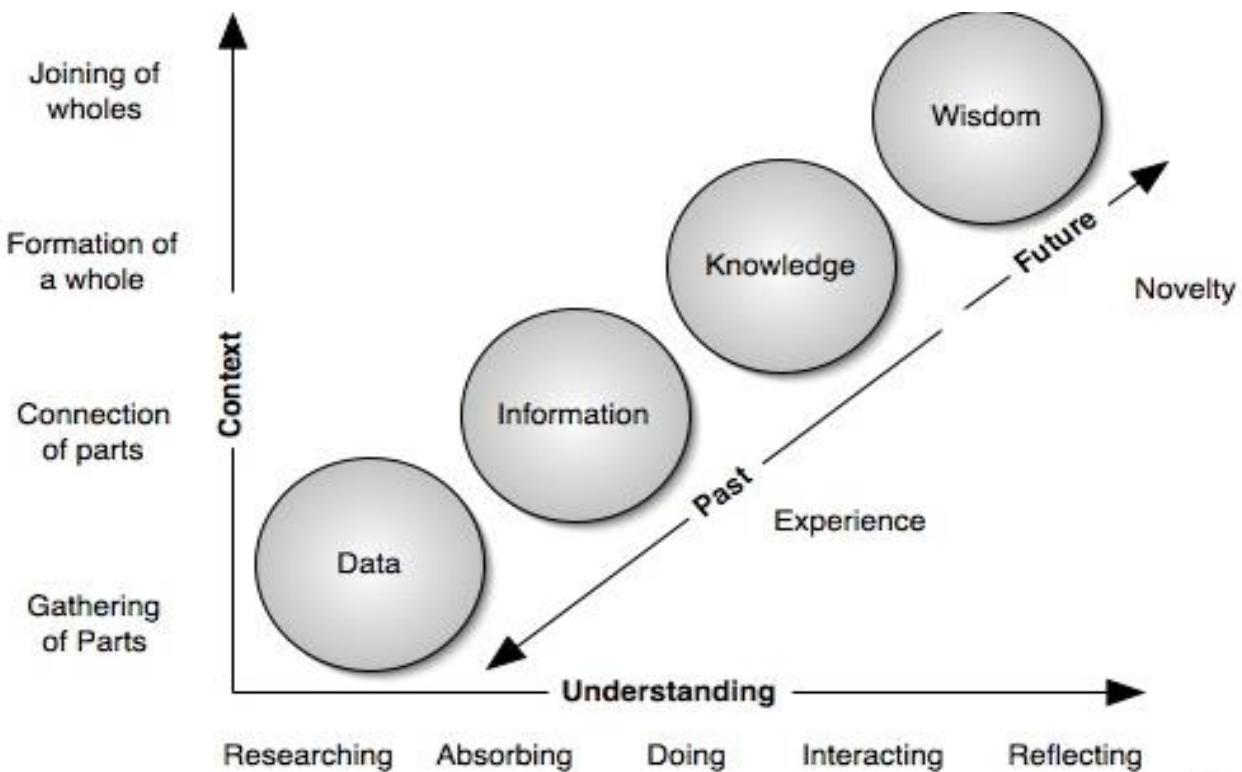
Métricas de monitorização

Metric	Description
Message reach	The number of eventual impressions of an online discussion. Measured by the number of different sources covering a topic and each source's potential page views. Many discussions start small, but once picked up by a larger source, will reach a large number of consumers.
Sentiment type	The positive or negative attitudes consumers express, scored positive, negative, or neutral. Although many online brand mentions are neutral, containing no sentiment, listening platforms track adjectives around keywords to determine consumers' tonality about a topic.
Share of voice	The ratio of discussion volume between multiple brands — often represented as a percentage pie chart. Many marketers track their brands against competitors' to determine which company has a larger share of voice.
Topic frequency	The most common themes for consumer discussion around a brand. Marketers use topic frequency data to collect insight into how consumers view their brands and how they discuss them online.
Virality	The amount and speed at which a discussion spreads, measured by the number of different entries around the same topic within a certain time period. Around a highly viral event, such as the Motrin Moms saga, hundreds of bloggers write posts in the following days.

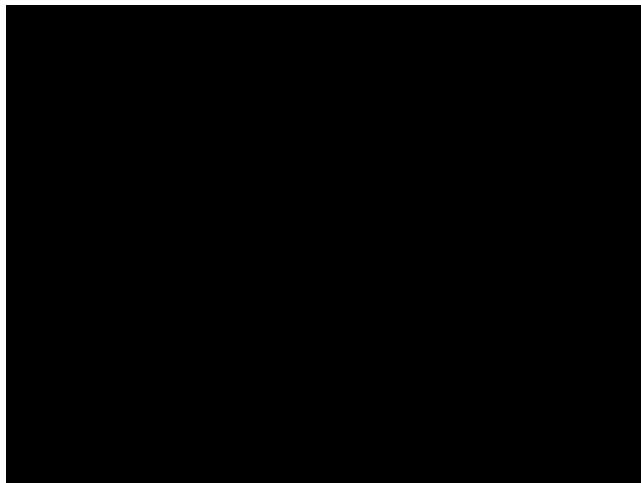
Source: Forrester Research, Inc.

Predictive Analyses

Attempts to develop models of organizational systems that can be used to predict future outcomes and understand the consequences of hypothetical changes in organizations.



Dell Social Media Listening Center



<http://www.youtube.com/watch?v=-inwU1HsRog>

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“2016 vai ser um Big Bang no uso de Big Data”

BY LETICIA PAUTASIO IN ANÁLISIS 2015 - DESTAQUES — 29 OUT, 2015

1



in LinkedIn

f Facebook 2

Twitter

G+ Google

Email

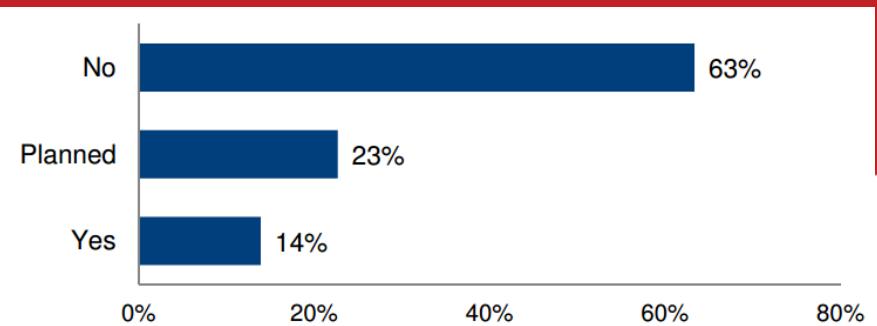
Futurecom 2015 – Amos Genish, presidente da Vivo (Telefônica), anunciou a Vivo Easey, um aplicativo que permitirá que os usuários contratem pacotes de voz, dados e que possam gestionar seus planos, entre outros (tudo isso diretamente do aplicativo). “Hoje existe uma grande quantidade de pessoas que querem ser atendidos 100% de maneira digital. Esse é um caminho natural”, detalhou.

<http://www.telesemana.com/futurecom/pt/2015/10/29/el-2016-va-a-ser-un-big-bang-en-el-uso-de-big-data/>

Big Data: 3 Vs

World Economic Forum (2012) opined that **big data represents a new form of economic asset.**

- **Volume**
 - Todos os dados que são recolhidos
- **Velocidade**
 - Criação, transmissão e recepção de dados em tempo real
- **Variedade**
 - Multi-estruturados
 - Com origem em múltiplas interacções de clientes
 - clickstream (website visits)
 - comentários
 - Email
 - SMS
 - pesquisas
 - sensor data
 - georeferenciação
 - social posts
 - Tweets



Is there a comprehensive strategy for big data in your company? (n=273)

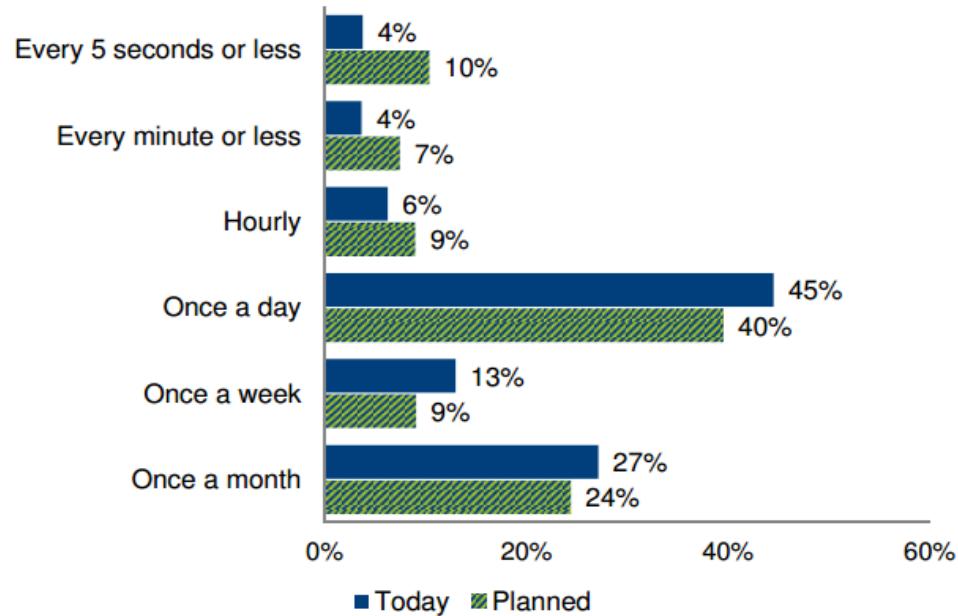
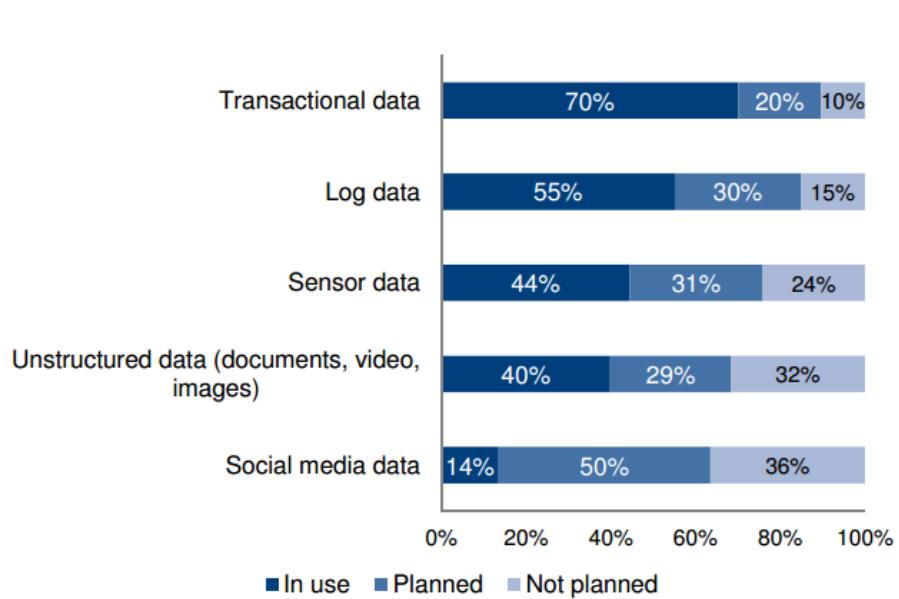


Figure 27: What kind of data do you analyze (at the moment and planned)? (n=200, multiple choice)

Please specify what percentage of your company's data is integrated for reporting, monitoring and analysis in which time intervals? (Today and planned) (n=160 and 53)

2015 BIG DATA AND ANALYTICS SURVEY

Top 3 Investments



Business Goals Driving Investments



Improving the quality
of decision-making

61%



Improving planning
and forecasting

57%



Increasing the speed
of decision-making

51%

Big Data Landscape 2016

Infrastructure



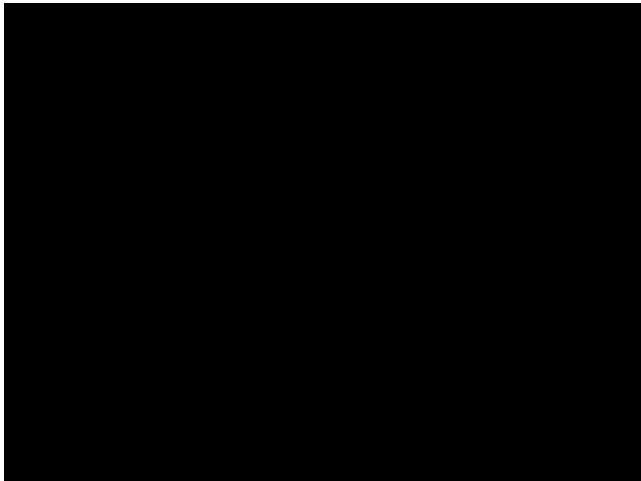
Cross-Infrastructure/Analytics



Data Sources & APIs

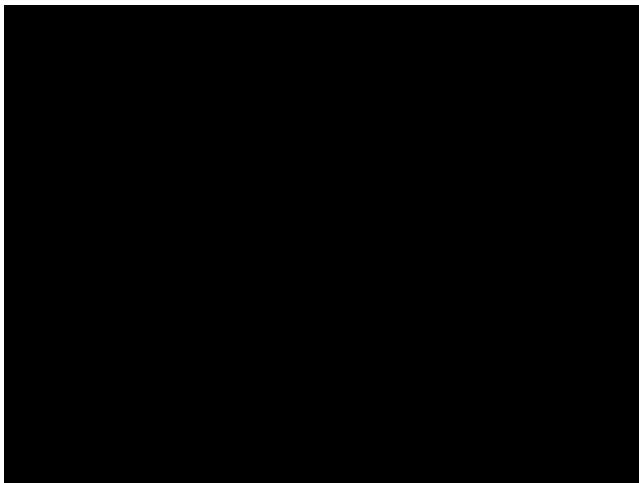


Big Data in Banking



<https://www.youtube.com/watch?v=1RYKgj-QK4I>

Personalized retail experiences using Big Data



https://www.youtube.com/watch?v=3Vg5idj_590

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IoT

- The Internet of Things (IoT) is a novel paradigm that is rapidly gaining ground in the scenario of modern wireless telecommunications;
 - The basic idea of this concept is the pervasive presence around us of a variety of things or objects – such as Radio-Frequency IDentification (RFID) tags, sensors, actuators, mobile phones, etc. – which, through unique addressing schemes, are able to interact with each other and cooperate with their neighbors to reach common goals;
 - The US National Intelligence Council (NIC) foresees that “by 2025 Internet nodes may reside in everyday things – food packages, furniture, paper documents, and more”.

(Atzori et al., 2010)

- Cisco estimates that by 2020 over 50 billion objects will be connected to the Internet:
 - HP estimates that by 2015 over 1 trillion objects will be connected.

IoT

Smart Cities

- Smart surveillance, automated transportation, smart energy management systems, water distribution, urban security and environmental monitoring

Smart Vending Machines

- Monitoring inventory and communication
- Visual recognition to offer past choices, and collecting demographic data on customers

Smart Homes

- Command air conditioning, lights and appliances. Lock doors

Wearables

- Fitness, health and entertainment

Connected Cars

- Vehicles able to optimize their own operation, maintenance as well as comfort of passengers using onboard sensors and Internet connectivity

Smart Retail

- Remain connected with consumers even out of store through smartphones and using Beacon technology

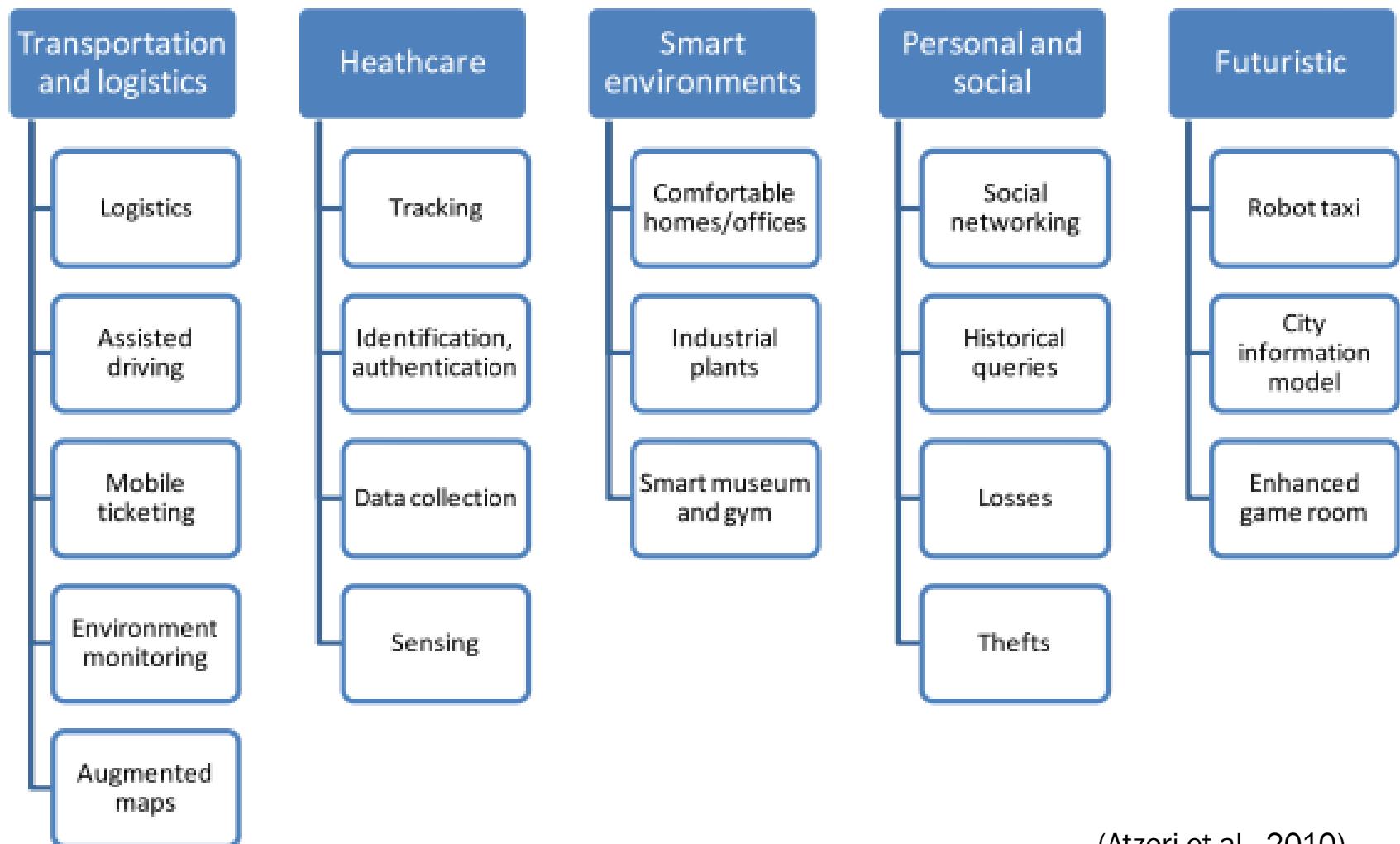
Healthcare

- Connected healthcare system and smart medical devices

Industrial IoT

- Tracking goods, real time information exchange about inventory among suppliers and retailers and automated delivery

IoT – Application domains



(Atzori et al., 2010)

The future today

The world's largest taxi company owns no vehicles

Uber

The largest accommodation provider owns no real estate

Airbnb

The most popular media provider creates no content

Facebook

The most valuable photo company sells no cameras

Instagram

The fastest growing television network lays no cables

Netflix

The most valuable retailer has no inventory

Alibaba

The future today





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