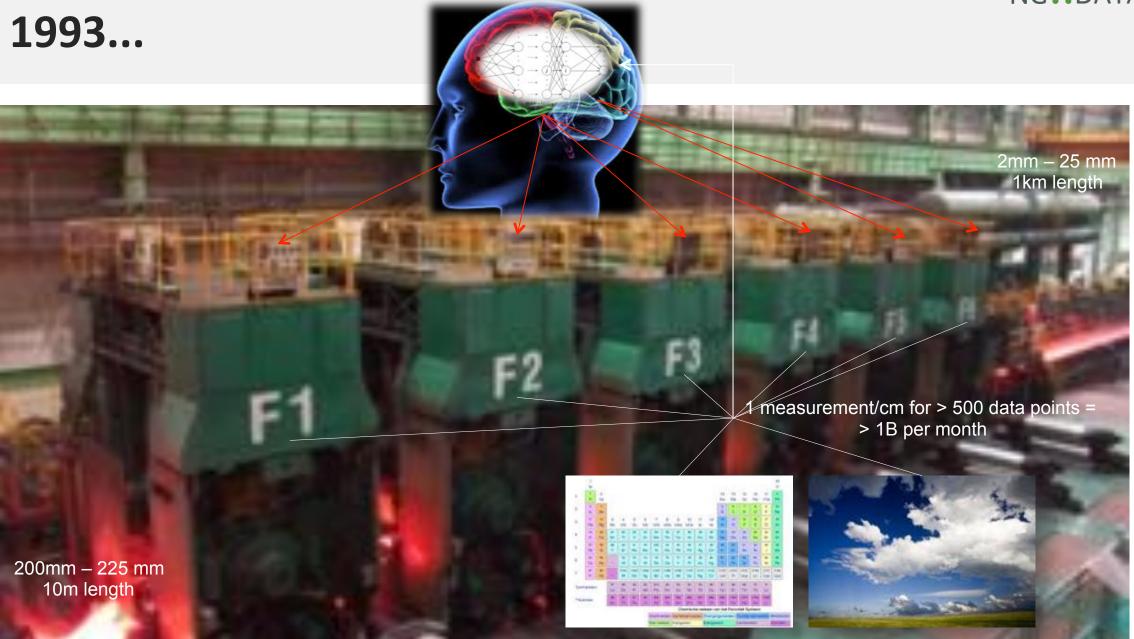


#### De Big Data Opportuniteiten

Markten, produkten, klanten. Een massa gegevens, onderling verbonden.







**2015** NGDATA





1998



Copyright @1998 Google Inc.

#### 1999



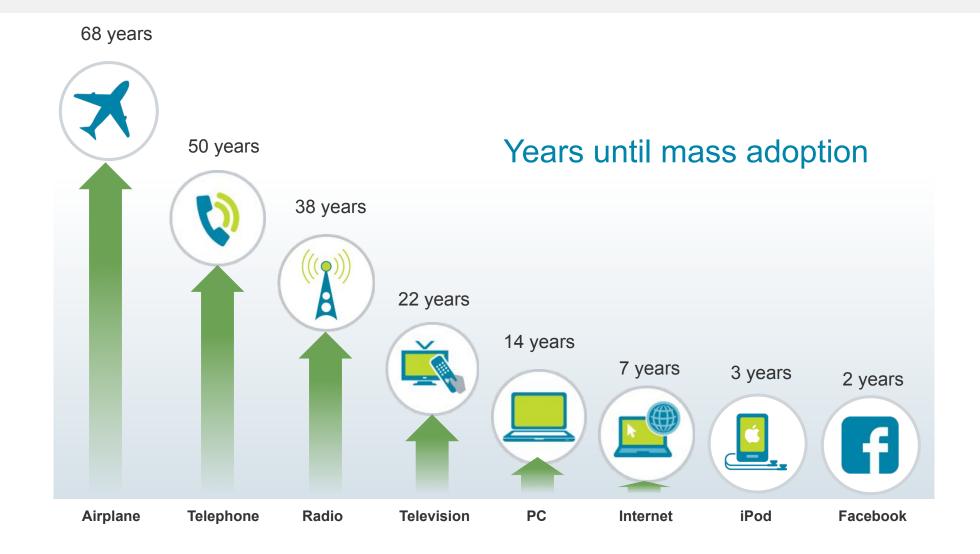


#### 2004: Thefacebook





#### New channels adopted by the Customer





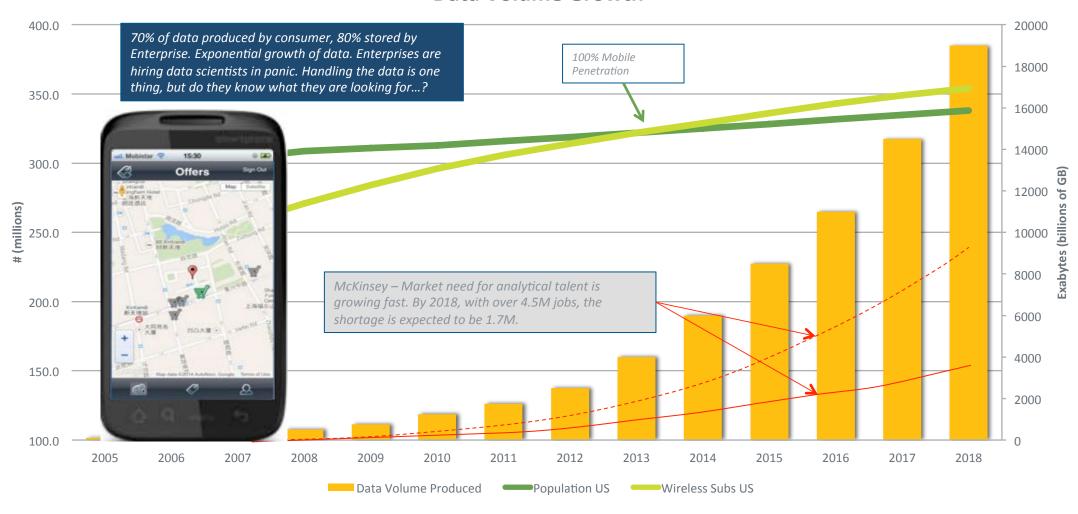
#### 2006: Hadoop





#### 2012: The Data "Explosion"

#### **Data Volume Growth**



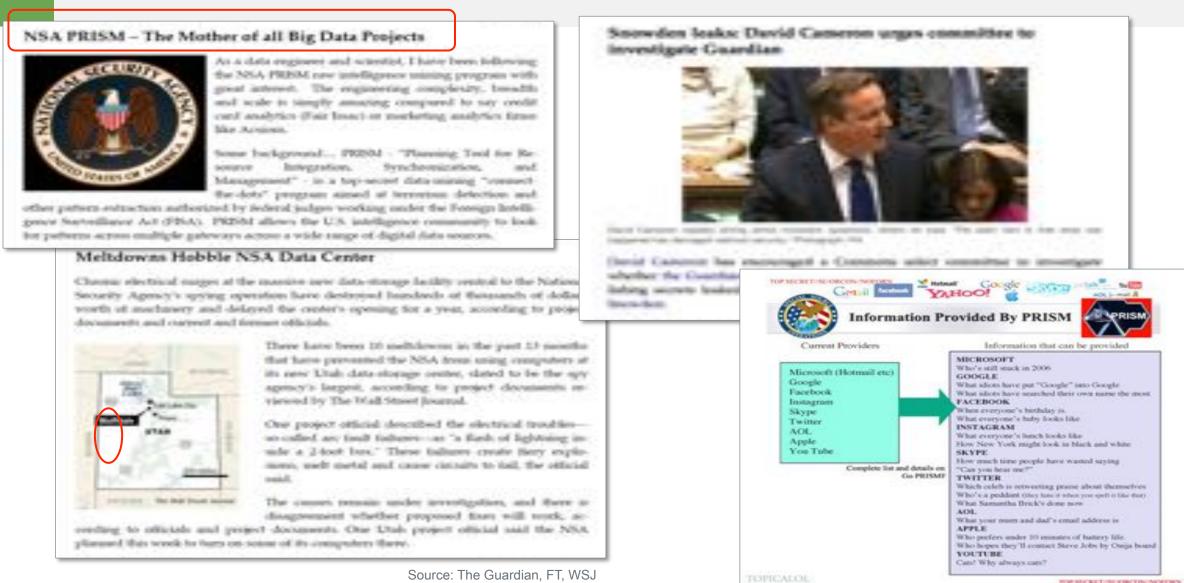
#### **Data Generation of Today...**







#### The Ultimate Big Data Project...





#### Who's the guy in the middle?



#### Trends...



Or in RF In any busine

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market in the

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Linear St. estudio

Netflix Record Billion-Hour Monthly Viewing Rates

A cable executive who has talked to Amazon says that its Prime service, a nascent effort to get into original content, will also lean hard on data-driven approaches to determine its programming. The executive, who asked not to be identified because the discussions were private, said it would change the way that business operates sooner than people thought.

"I think it is a little hysterical to say that Big Data will win the day now and forever, but it is clear that having a very molecular understanding of user data is going to have a big impact on how things happen in television," he said.

Add to Purtisbu

Street Street

Of the last



#### The value of data

Deutsche Lufthansa AG Add to Watchlist

LHA:GR 14.230 FUR 10.115 0.81%

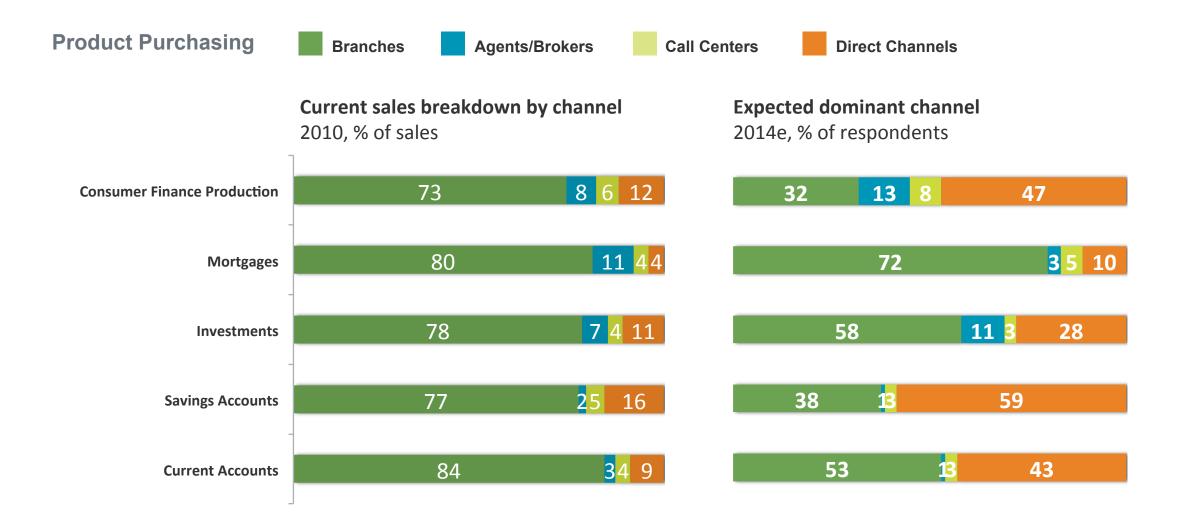




# Stratecic challenges



#### Most popular channels in sales Retail Banking



#### **Technology Companies**

NG**\***DATA

Threats to the "old world"...



#### **Financial Services**



What is the response from banks'?

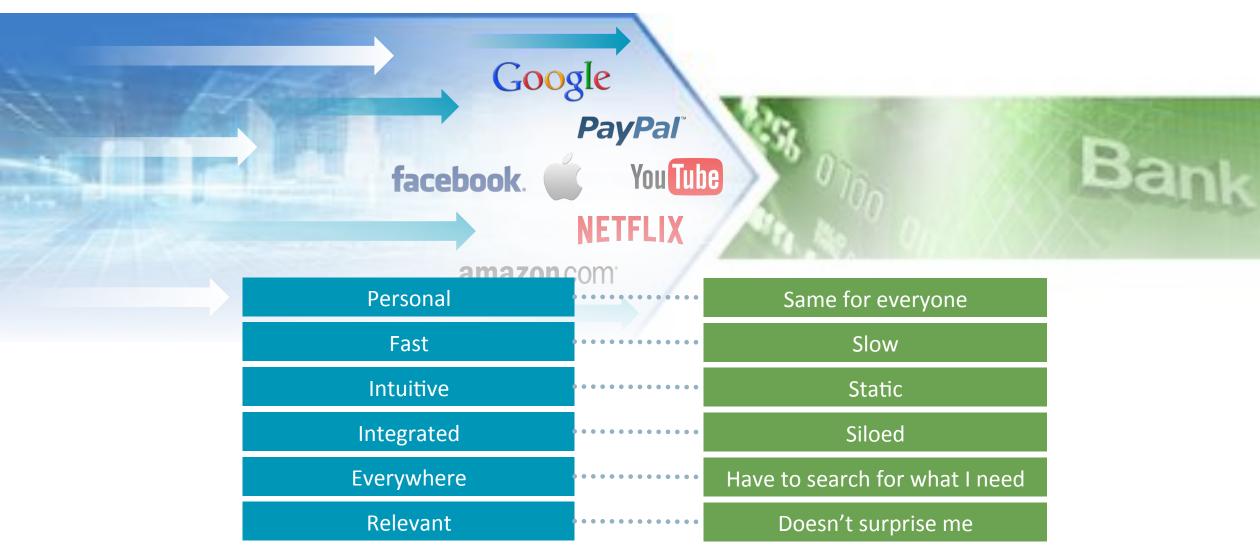


Do they have one?

#### NG■DATA

#### **The Current Reality**

Comparison traits of the two

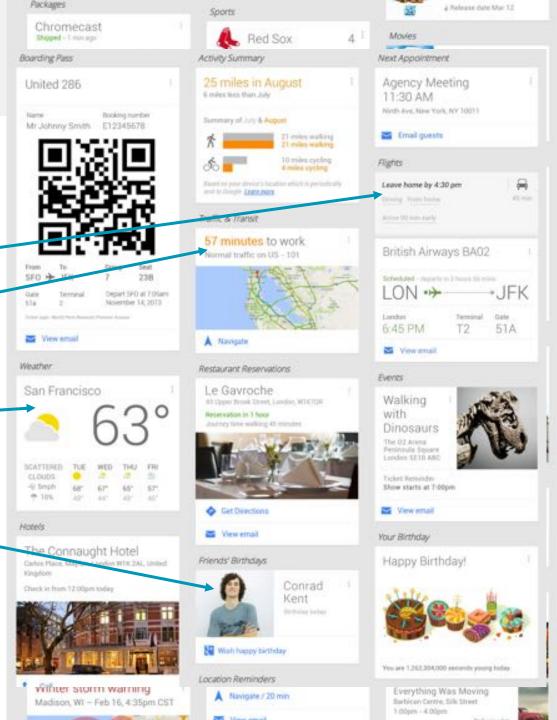


#### **Google Now**

The Leading Example

real-time
context-aware

hyper-personal



#### **Vision**



#### Data available is a huge opportunity to lead transformation



- Financial Services and Telecommunications
   have many digital touch points
   with their customers where they can drive
   communication
- Financial Services don't want to put communication in the hands of third parties, such as technology companies that could become competition

#### The Big Enterprise Challenge

NGBDATA

Data Silos



#### The Google/Facebook/LinkedIn Architecture



Customer centric: Profiling, Analytics and Actions @ the Speed of Light

key functions

#### data capturing & ingestion

streaming ingest user identification behavior observation & tracking 01110101010 0010101010 1001010001 111010101010

#### profiling & service enablement

profile establishment targeting support: preference learning & contextualization micro-segmentation network analysis

#### customer experience

service delivery (newsfeeds, timelines, search, check-ins, ads ...)

processing flow



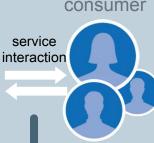
operational processing

real-time / in-session / user-level analytics, scoring & targeting (for ad, service, next best offer, recommendations)

model training collaborative learning deep learning reporting



channel bottler bottle bottler bottler bottler bottler bottler bottler bottler bottler



data layer

online transaction and analytical processing on shared data platform



#### The Big Enterprise Challenge

**Enterprise IT Architecture** 



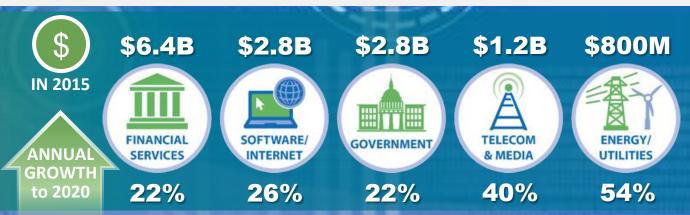


#### **Big Data Market Size**

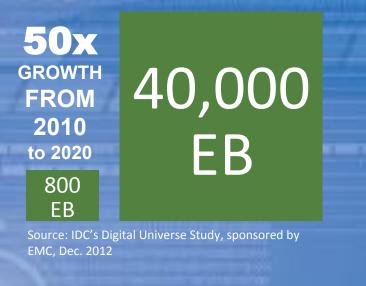
Financial Services will be biggest investor, transforming customer experience

Financial Services firms are projected to spend **\$6.4B** in Big Data-related hardware, software and services in 2015, growing at a CAGR of 22% through 2020.

Forbes: Roundup Of Analytics, Big Data & Business Intelligence Forecasts and Market Estimates, 2014







## BIG Data Marketing The Customer Experience



#### **Relevancy – What Customer Experience is All About**

... What everybody says, but nobody can deliver...





#### **How Tech Companies work**



"I think it is a little hysterical to say that Big Data will win the day now and forever, but it is clear that having a very molecular understanding of user data is going to have a big impact on how things happen in television," he said.



#### How Most of the companies (still) work...





#### How Most of the companies (still) work...



- Born in 1948
- Grew up in Great Britain
- Married, w/children
- Successful, wealthy, celebrity
- Loves dogs and the alps

- Born in 1948
- Grew up in Great Britain
- Married, w/children
- Successful, wealthy, celebrity
- Loves dogs and the alps



Understanding Lifestyle and being able to capture and predict behaviour is key to become relevant to your customer



#### **Impact of Operational Analytics**

Impressive Difference in Relevancy – translated in Marketing ROI







0

START

DROP DM TO 800K SEND REMINDER EM TO 790K

**EVALUATE** 

2 WEEKS





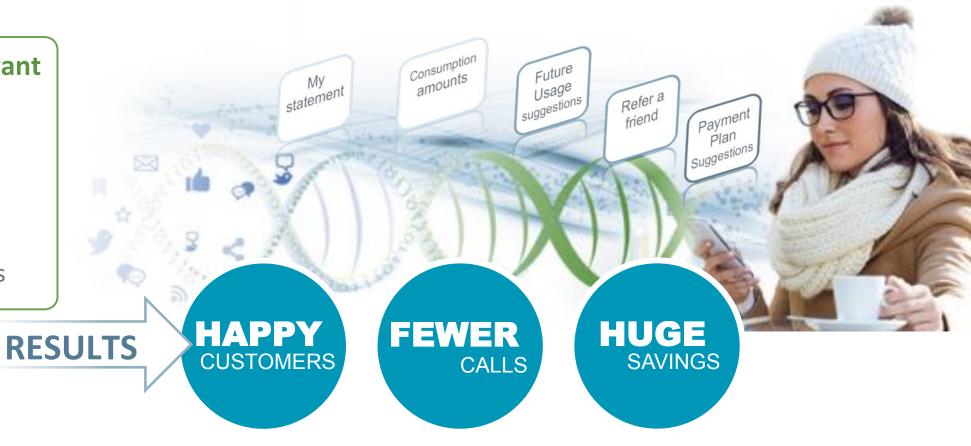
#### Put into Practice at the Customer – Example

Increased customer value and reduced helpdesk calls

### Predict who is going to call and what their issue will be... And take action **before they call**

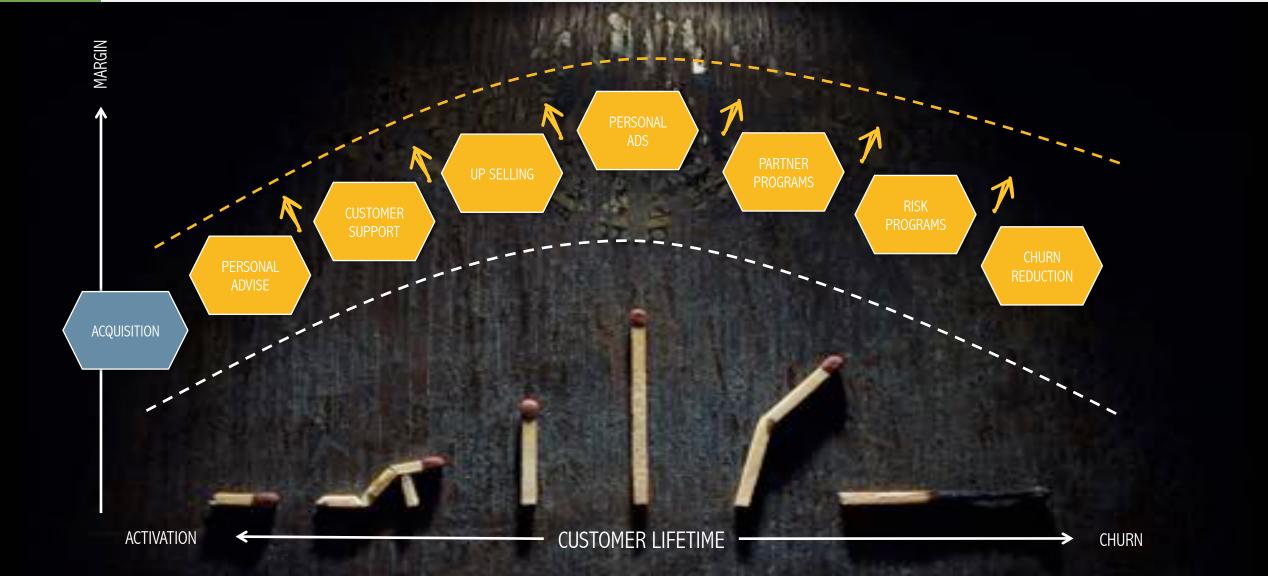
## A personally relevant video is delivered based on:

- Customer data
- Specific solution
- Preferred products





#### **Enterprise side of Customer Experience: CLTV**





TARGETED TV ADVERTISING

NEW 1-TO-1 EXPERIENCE

"If at first an idea isn't absurd, there is no hope for it."
- Albert Einstein





# Talking to Customers...

#### ING STOPT BIG DATA-PLAN TERUG IN KOOI

FINANCIÈLE SECTOR PRIVACY





RUBEN MUNSTERMAN ING gaat klantinformatie voorlopig niet commercieel exploiteren. Het plan is uitgelopen op een publicitaire nachtmerrie.

## KBC investeert half miljard euro in big data



Pieterjan Van Leemputten is reducteur bij Data News

18/05/14 am 11:04 - Biggewerkt om 11:04

Met 500 miljoen euro wil KBC een databank in elkaar zetten die in real time klantgedrag volgt en analyseert. De helft van het bedrag gaat naar ons land.













Met 500 elkaar z het bed:

Van de 2 volgens I Zo is er s

#### GLOBAL BANKING & FINANC

BIG DATA IN BANKING: HOW BNP PARIBAS IS ANSWERING

@ JUN 15, 2014

By James Eiloart, Tableau Software

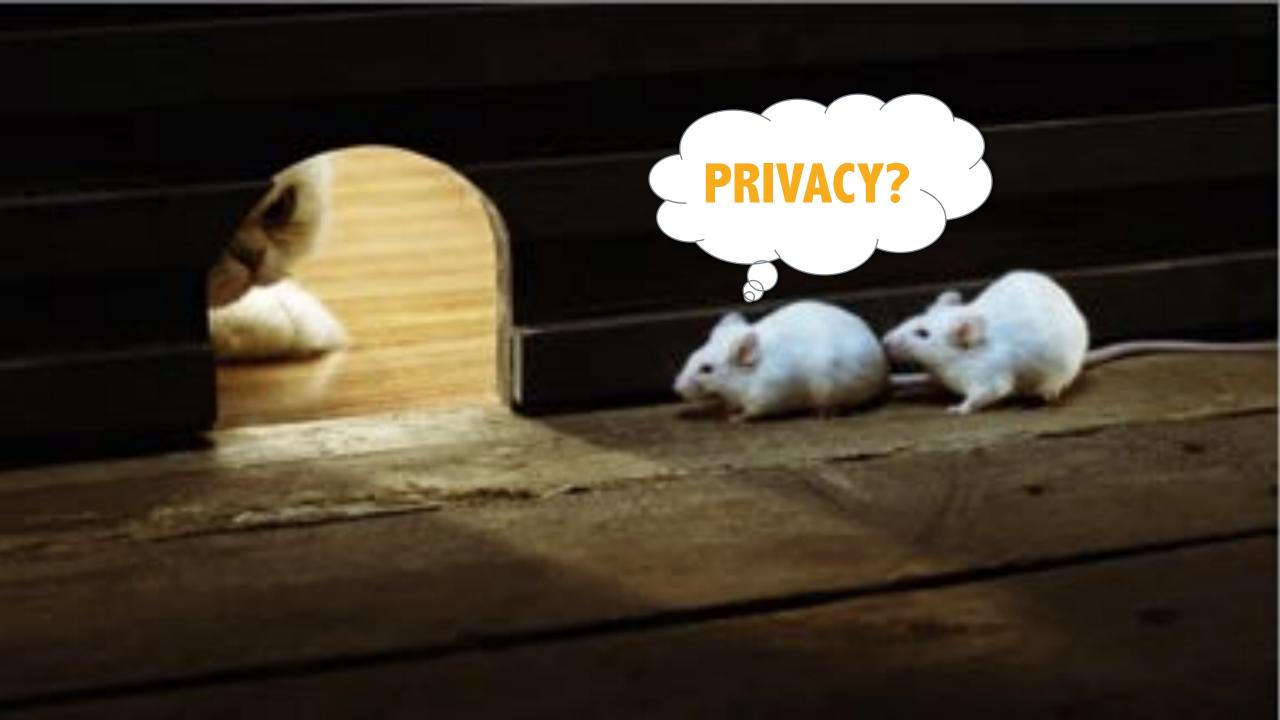
**QUESTIONS WITH ITS DATA** 

How much data does the number one bank in the Eurozone collect?

The answer is: a lot. Some experts predict that by 2020, we'll be generating 35 zettabytes of data every year. That's 35 billion terabytes. And right now, approximately 80 percent of all data is stored by enterprises. So it's easy to see why companies are looking for ways to keep up with their data, and even use it to their advantage.

The number one bank in the Eurocone-BNP Paribas-has more than 4,000 physical locations, 200,000 employees, and 15 million customers. Every time one of those customers swipes a card, data is generated. Each time a customer interacts with an online banking system, even more data is generated. Every time a new employee starts or a current employee departs: data. Each bank branch alone generates a wealth of data on customer behavior, profitability, and much more.









# I'm Being Followed: How Google and 104 Other Companies—Are Tracking Me on the Web

ALEXIS C. MADRIGAL | FEB 29 2012, 2:57 PM ET



Who are these companies and what do they want from me? A voyage into the invisible business that funds the web.







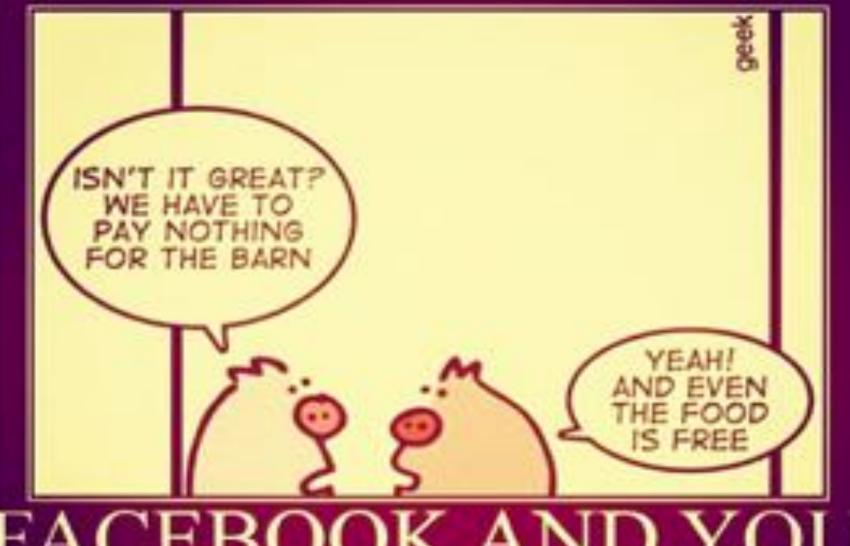












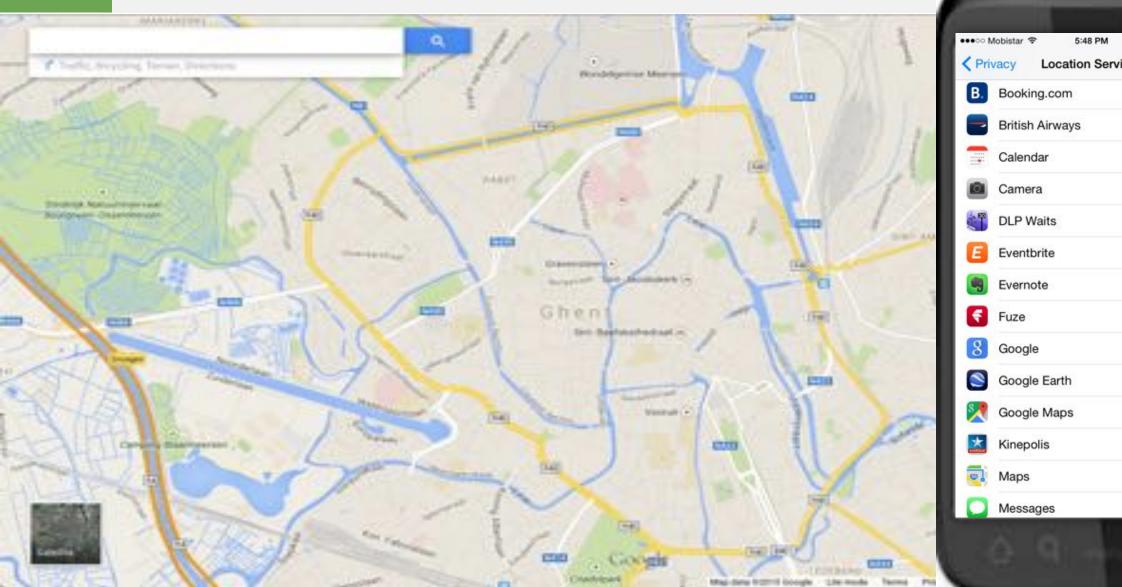
# FACEBOOK AND YOU

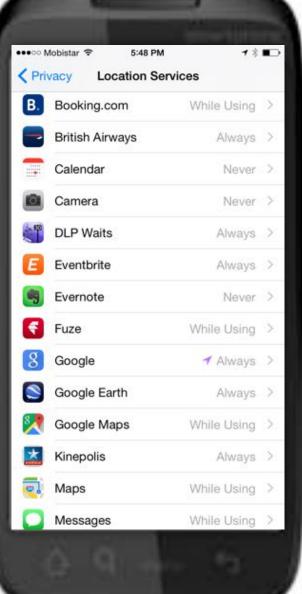
If you're not paying for it, you're not the customer. You're the product being sold.





Did you want to use GPS or OPT-OUT...?

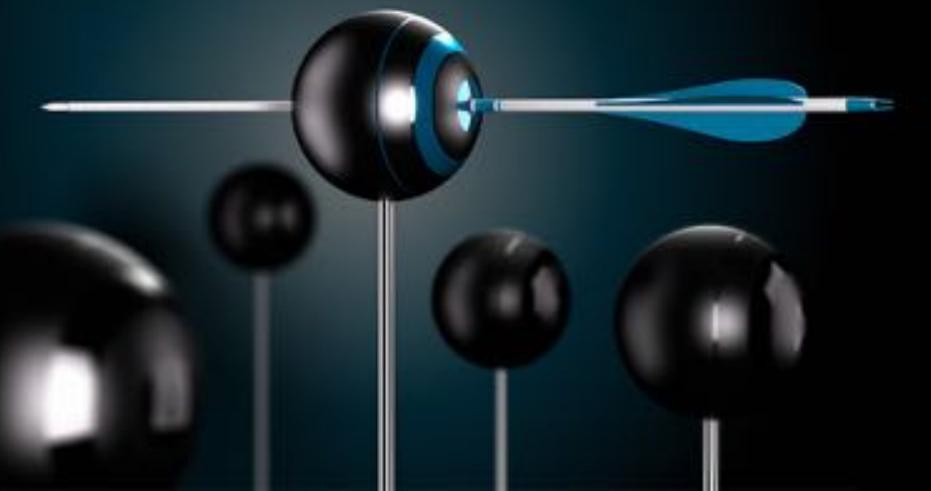


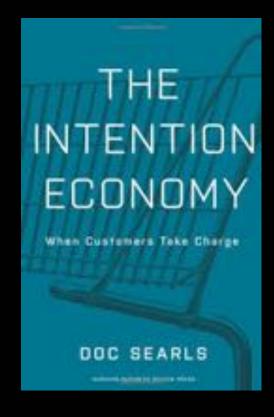


# Customer Takes Charge

Be patient and

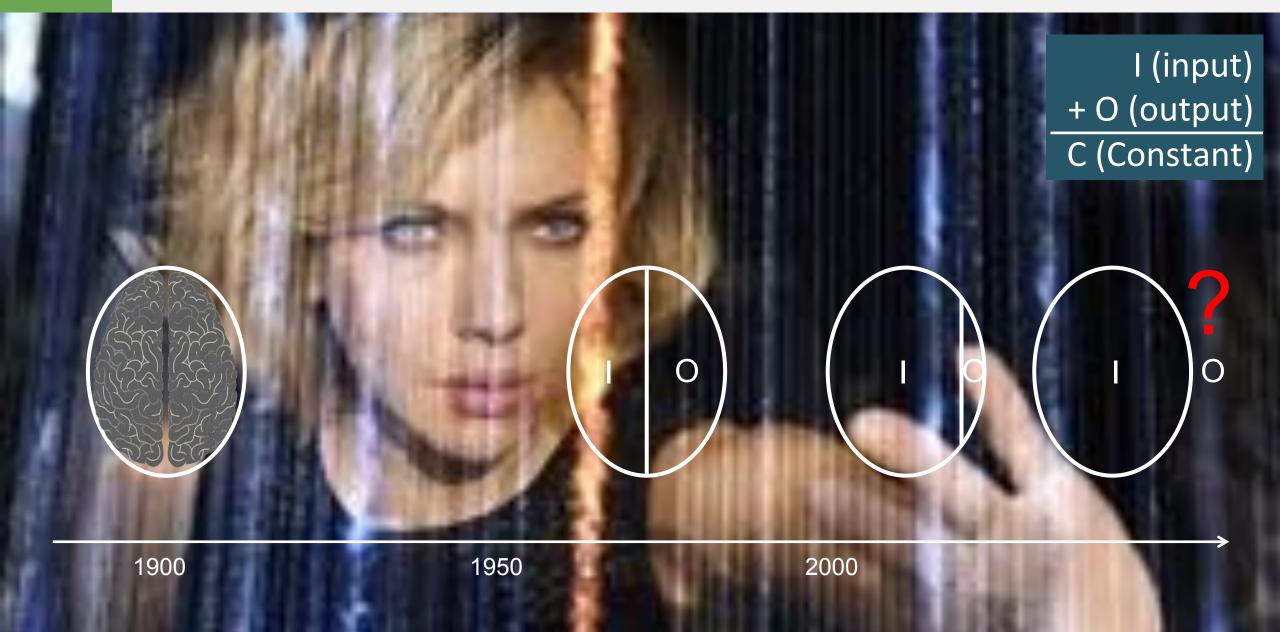
Aim for the Perfect Shot...







### The Human Brain...





# **Thank You**

