

frog

Monetizing Data in the Always On, Always Connected World

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The world according to frog

The evolution of technology, and its impact on products, brands & personal data

Quantifying the Value of Personal Data

How personal data shapes brands, businesses and experiences



Technology is changing the human experience, creating **new connections** between people, products, and markets around the world.





Who We Are



We are a global team of 1,100 diverse people with **deep insights** into the behaviors and technologies driving the connected world.













SAMSUNG







































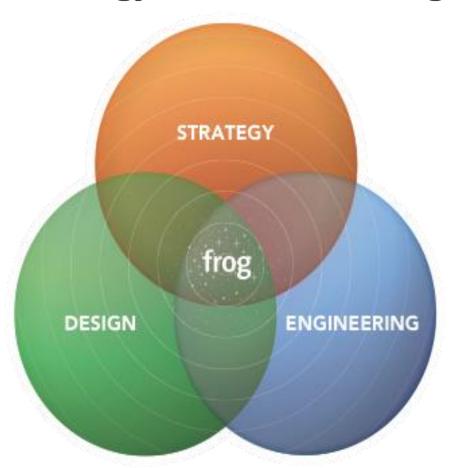








As a global partner, we believe that we are unique in collaborating with our clients in using integrated teams of strategy, creative, and engineering disciplines



Creative

We are a world-class creative organization, capable of working across conceptual, hardware, software, and technical spaces.

Strategy

We are a strategy organization that helps customers enter new markets, grow market share in existing markets, enhance their brand value, and adapt their businesses in changing markets

Engineering

We are an engineering team that provides market transforming technology and implementation services with deep expertise in the communications market



The world of products, brands and personal data is going through a radical transformation...



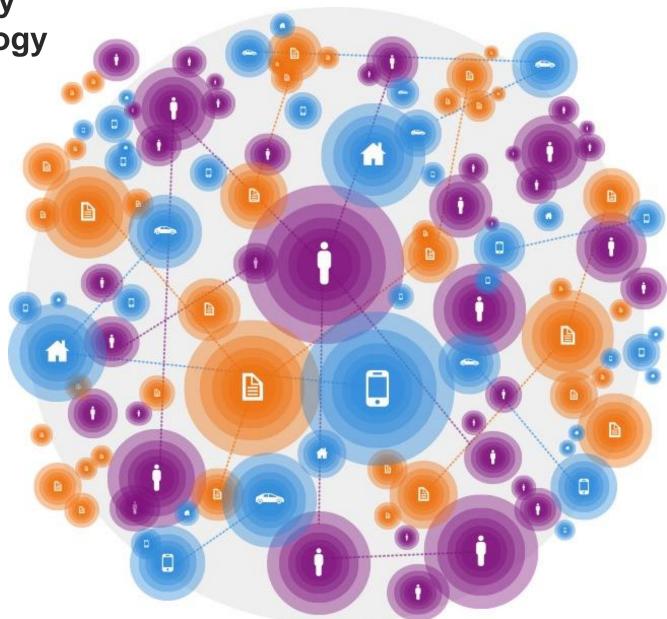
TO: A World of Smart, Connected, Programmable Things

This has happened over the last sixty years of technology evolution in three waves

1st WAVE Information Graph

2nd WAVE Social Graph

3rd WAVE Physical Graph



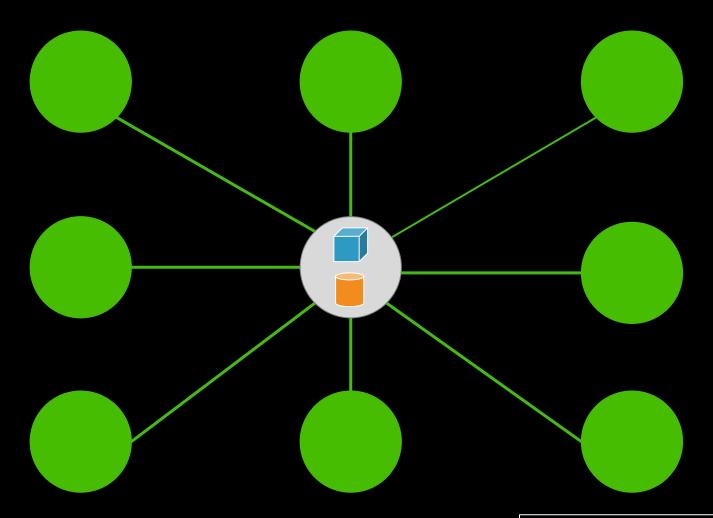


The
First wave was
About
(IM)Personal
Computing

by computing experiences that were immobile and lacked contextual awareness



First wave - mainframe to client/server computing





Nature of Personal Data in the 1st Wave

- What's personal and valued by users
 - Their username
 - Their password
 - Their email address
 - Their access rights



- What the network knows
 - Their corporate social graph (aka their role in the organization)
 - Their usage patterns based on logon and log off times
 - Their privileges and access rights
- Jobs being done
 - Linking people with IT assets
 - Securing corporate information

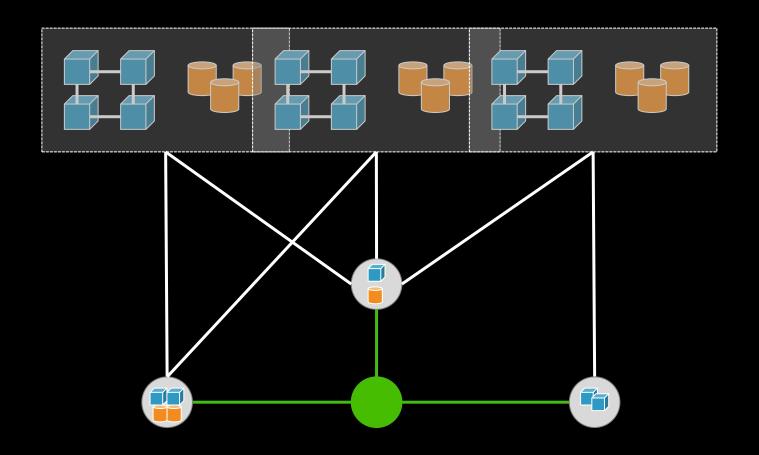


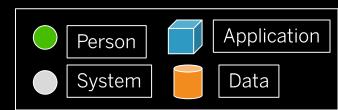
The Second wave Got Personal Now it is about being mobile, always connected and always "on",





Second wave & the cloud





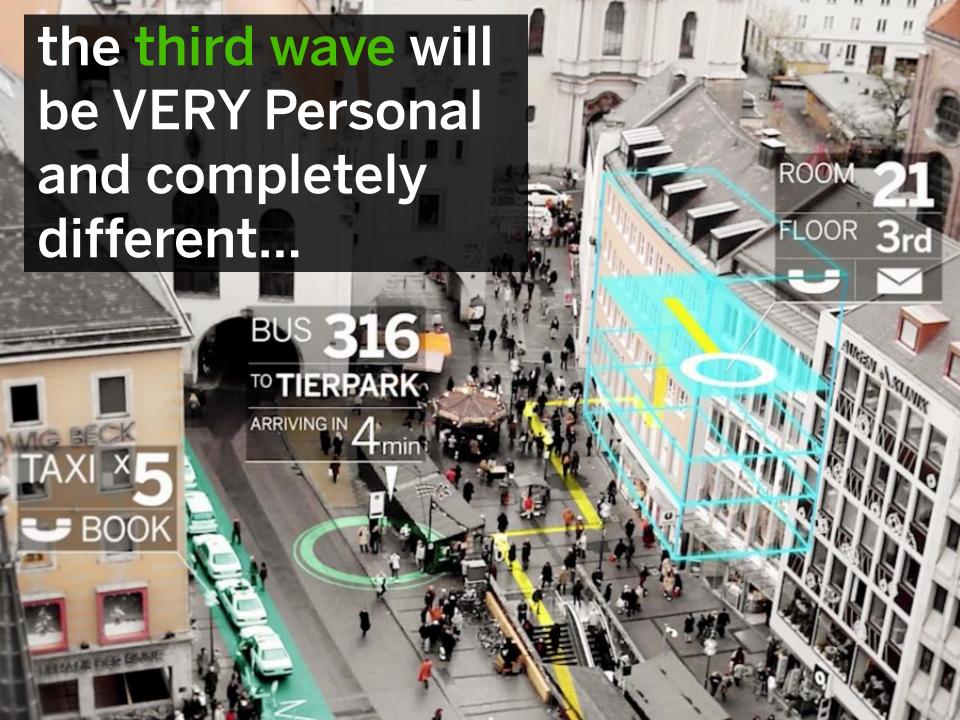
Nature of Personal Data in the 2nd Wave

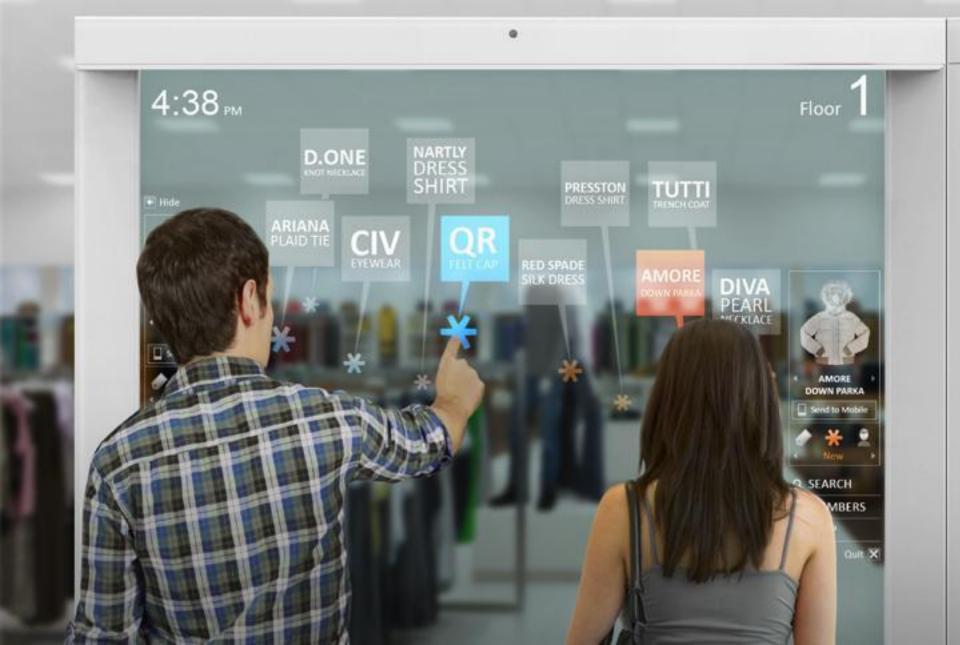
- What's personal and valued by users
 - Their phone number
 - Their social graphs (aka their contact lists, FB friends, LinkedIn contacts, Twitter followers, etc.)
 - Their photos
 - Their apps



- What the network knows
 - Where you are (demographics, personal likes and dislikes)
 - Who you are interacting with throughout your day
 - Your web footprints; search and web history
 - Where you have been and where you are going to be
- Jobs being done
 - Linking people together via social bonds and contact points
 - Enabling digital advertising











The third wave will play out in three phases.

Two of them are already underway.



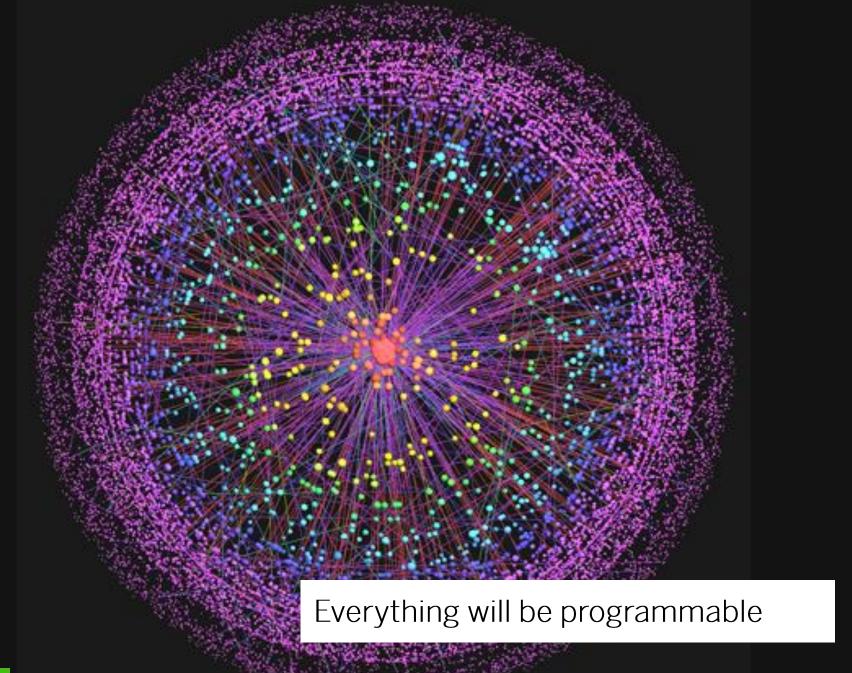






Everything is getting smart

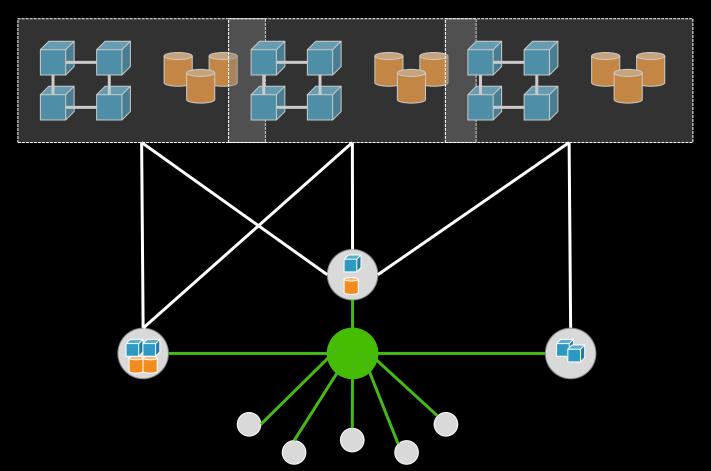








Third wave / danger alert!

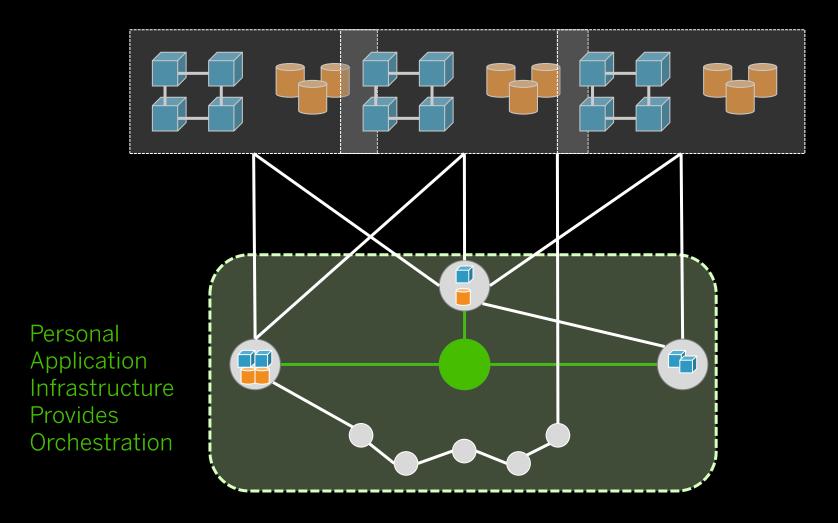


Danger: too many systems (and data) for 1 person!

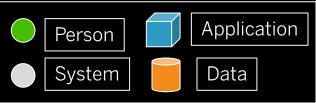




Third wave / orchestration







Nature of Personal Data in the 3rd Wave

- What's personal and valued by users
 - Pre-emptive decision making based on networks of smart, connected, programmable things
 - Personalized brand experiences that shift advertising to content
 - Their data! Expectation that personal data has value for service providers and can be used as collateral for next generation services
 - We are seeing the first examples of this trade-off of personal data for new forms of value
- What the network knows
 - Personal metadata: likes, dislikes, preferences



- Your complete profile; medical, financial, politics, education, professional, and your face.
- The intersection of physical and digital worlds
- That there is value in arbitrating personal data
- Location information is more expensive so consumers expect higher value
- That there is value in arbitrating personal data
- Jobs being done
 - Making activities visible and measurable in space and time
 - Enhancing every action with rich context



GOOGLE NOW



No digging required.

Cards appear when they're needed most, organizing the things you need to know and freeing you up to focus on what's important to you.

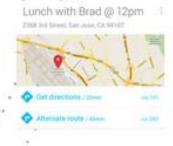




Get just the right information, at just the right time.

Just swipe up, and you've got the latest information you want to see, when you want to see it.

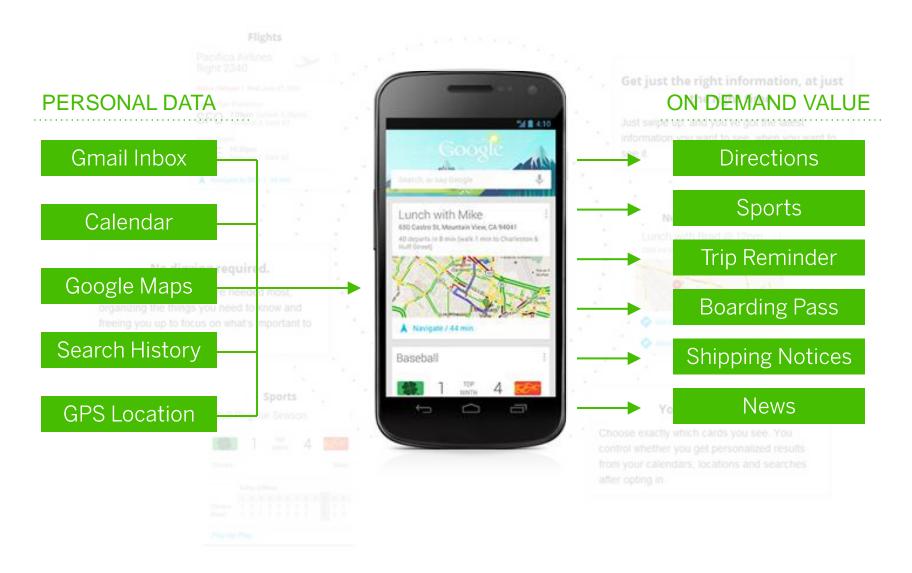
Next appointment



You're in control.

Choose exactly which cards you see. You control whether you get personalized results from your calendars, locations and searches after opting in.

HOW IT WORKS



In the Third Wave, how does a consumer quantify the value of one's own personal data?

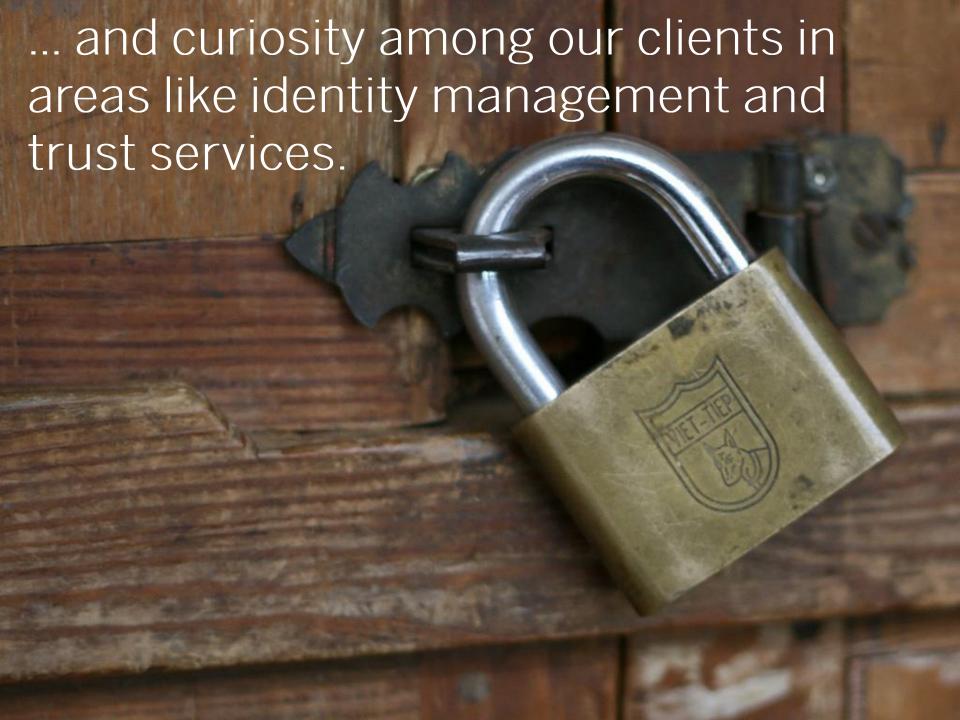
We are part of some recurring conversations with our clients on this topic...



An increasing sense of anxiety in the popular culture about privacy in social networks...



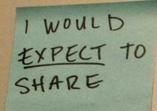




We wanted to understand how people quantify the value of their personal data.







WOULD SHARE

1 MIGHT SHARE

1 WOULD SHARE

SSN

Calories consumed

Credit card information Credit score

GPS location of car at We also asked about their

willingness to trade personal

data for various benefits

Genome

all times

Location of your mobile device at all times

Birthday

Address

Body fat percentage

Chalesterol level

Blood sugar and insulin levels

High level themes emerged:

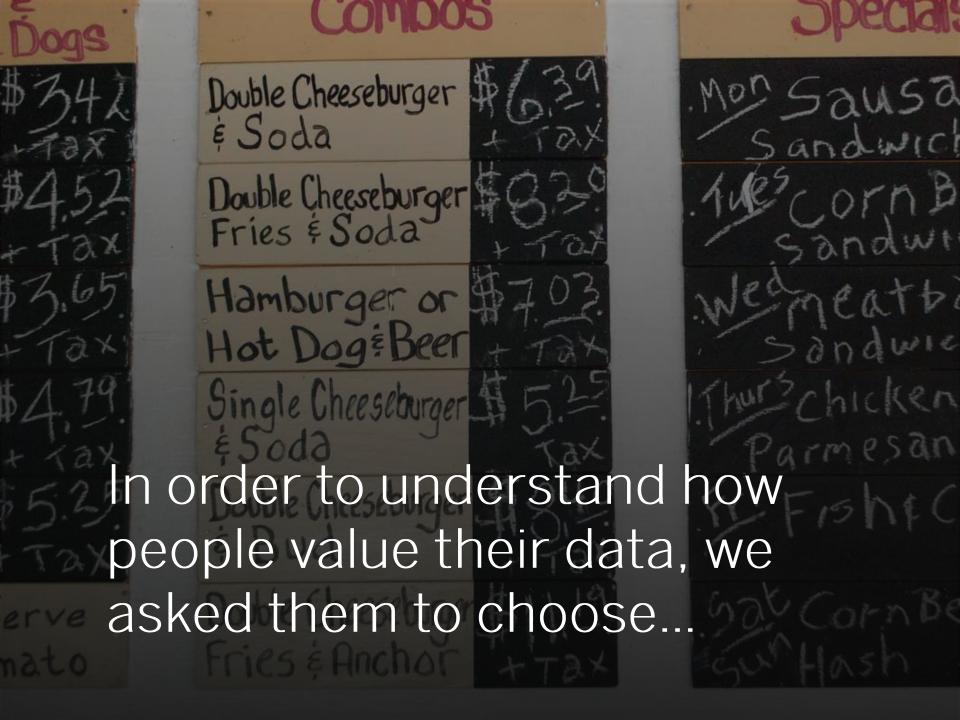
- Anxiety about identity theft
- Willingness to share data when contextually relevant, with conditions
- Expectation of vendor transparency and user control of personal data



We wanted to get a more nuanced understanding of how people "trade" data.

We fielded a global survey

1,000 respondents from US, India, China, Germany, UK Screened to reflect the demographics of their country



The choice:

Free web service (e.g. email) that collects some data

Pay web service (e.g. email) that collects no data

The choice:

Free web service (e.g. email) that collects some data

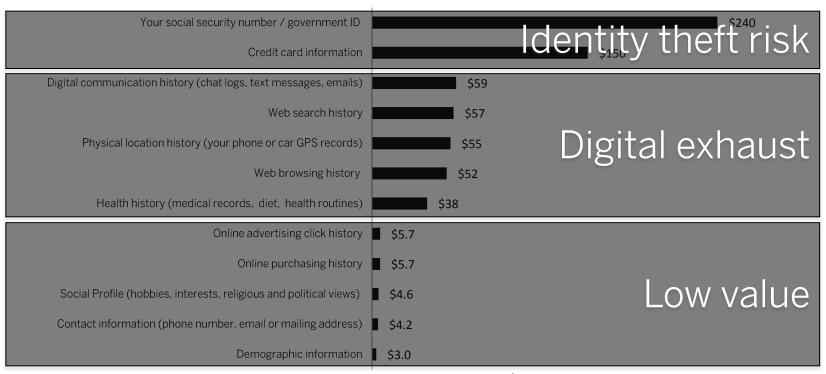
Pay web service (e.g. email) that collects no data

The price at which 50% choose to pay to protect a given piece of data is the revealed value of that data.

Value of Personal Data: US

In the US, there are three distinct tiers of data value.

Revealed Value of Personal Data.



Source: frog design, primary research 2011

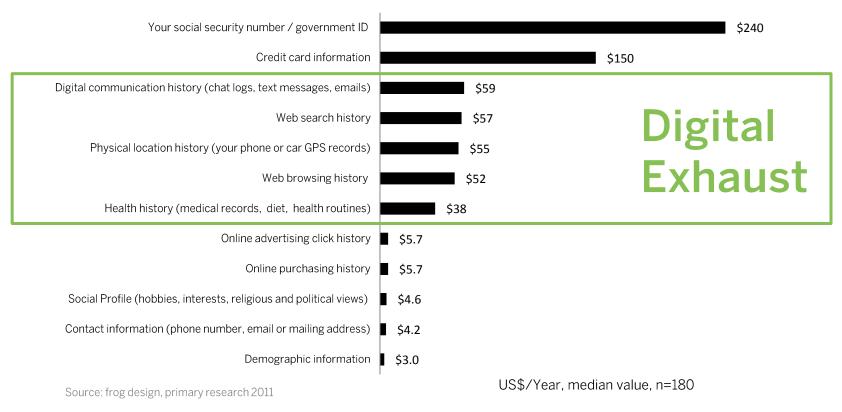
US\$/Year, median value, n=180



Value of Personal Data: US

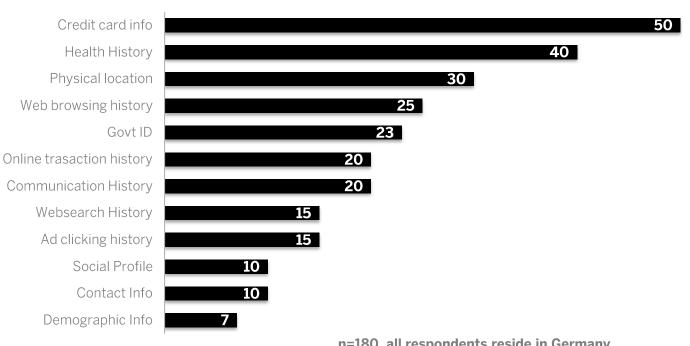
Digital exhaust is the data that is automatically generated simply by using the Internet or connected devices. It contains "histories" as opposed to purposeful, "opt-in" moments like online purchases.

Revealed Value of Personal Data.



What would be a fair price for data?

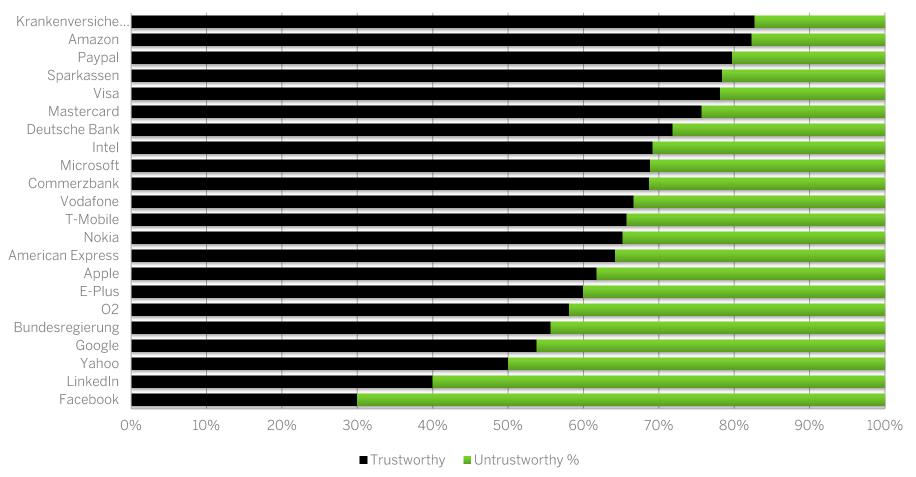
Median fair price (EUR) to share data with trusted brand



n=180, all respondents reside in Germany

Government, finance brands trusted, web brands less so

Who do Germans trust?



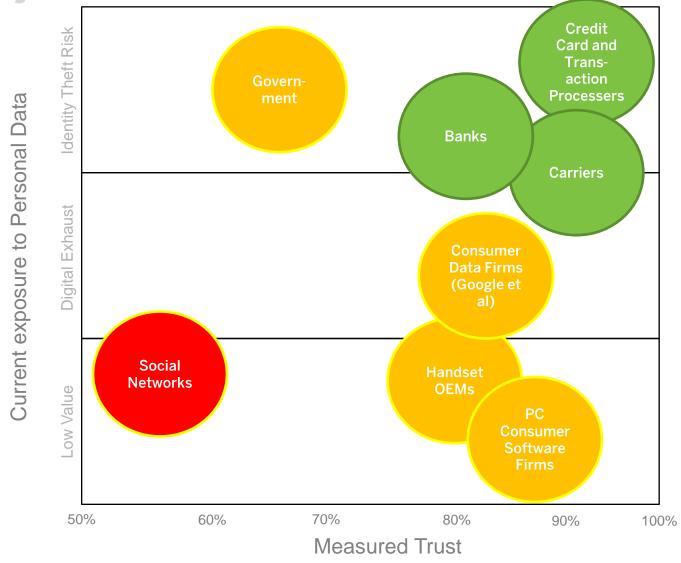
N=180 German residents, , calculated as a percentage of respondents who know the brand and classed is as trustworthy or untrustworthy

But that's not the whole story on trust. Qualitative research revealed the importance of context.



What types of providers are best positioned to deliver

Identity Services?

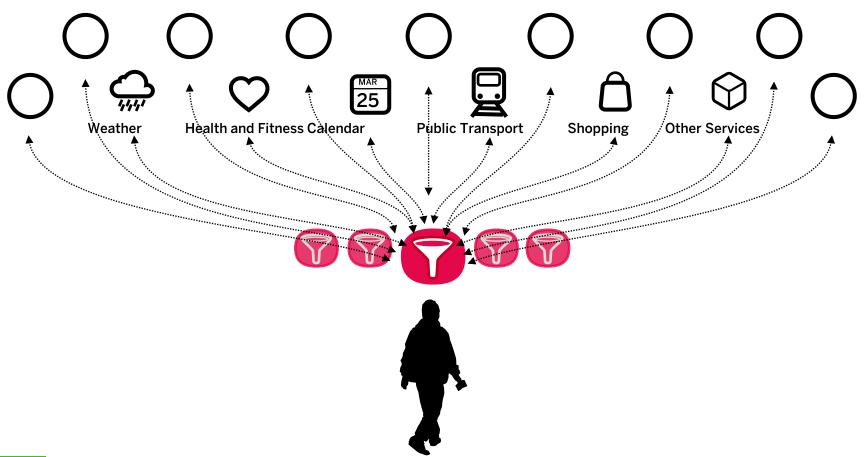


Summary

- Global consumers are often unaware that they are "making a choice" to share their personal data.
 - Brands with business models based on collecting and monetizing data run the risk of alienating consumers, who may end up feeling duped.
 - These concerns will only increase as personal data proliferates.
- Revealed value indicates a middle tier of digital "exhaust."
 - Business models that depend on this type of data need to provide clear benefits to users that are contextually relevant and commensurate with the value of the data.
- Many established brands, including mobile carriers are wellpositioned to extend their relationships with consumers into trust services or identity management.

How Personal Data is re-shaping businesses and brand experiences...

The third wave is going to be about managing our personal data and will require new strategies for products, services and branding which will be driven by new economics





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