## medien Wissenschaft UNIVERSITÄT BAYREUTH

## Data Dealer

Privacy is dead. Get over it.

Prof. Dr. Jochen Koubek | Universität Bayreuth | Digitale Medien | jochen.koubek@uni-bayreuth.de

## Data Dealer http://www.datadealer.net/

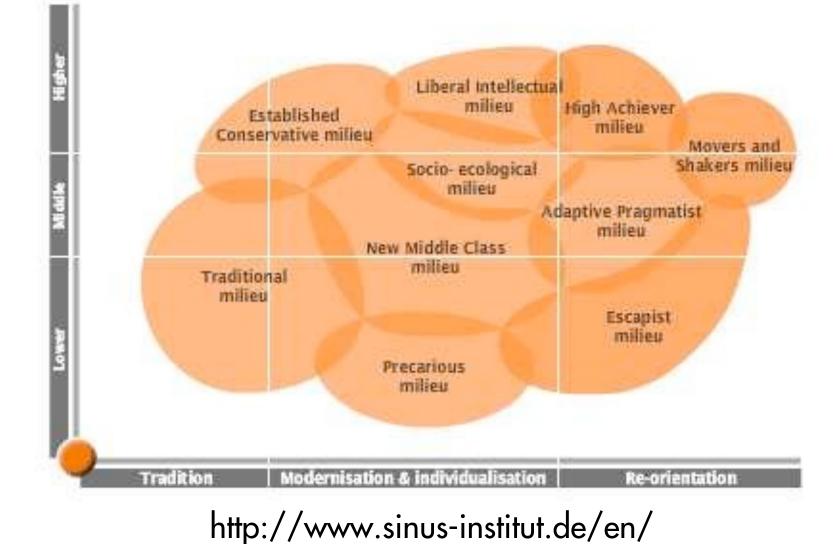
DATENBANK ILFE Illegal, Scheißegal 2.750 21/21 .211.832 45 ABHOLEN! ABNOLEN BAYER-WURZ DR. ERNST KRASSER 00 PARTNERBORS FRANZ SAUERZAPF GEWINNESPIEL PSYCHOTEST DATENBANK RASSIEREN! ABHOLEN! VORTERSCLUB PCS ANNY MAYER I NAME ADDRESS ADDRESS inter such same BAHN KELLNEEN-SCHWESTER ELFRIDE VERSICHERING ONNEL ENZO MOBILFIEME DISCOUNTER STEPHAN PETZOLO DE BANN

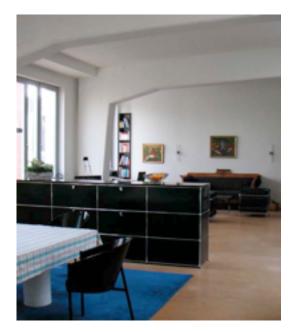
## Computer Games – A systemic medium

# Business Models

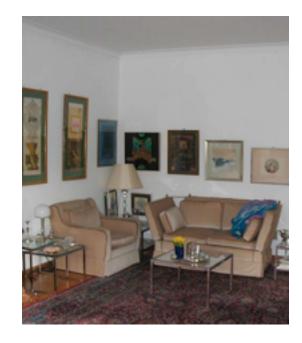
## Marketing Milieus and direct marketing

The Sinus-Milieus® in Germany 2011

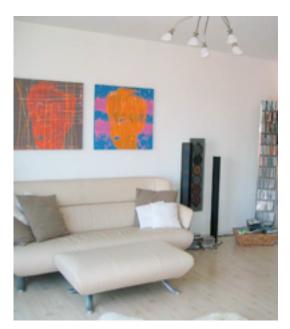




Etablierten



Konservativ



Modern Performer



Hedonisten

## Targeting Business | Consumer | Lifestyle | Shop

### Gesundheits-Artikeln

- Großen Größen
- Heimwerkerzubehör
- Hobbygärtnerzubehör
- Immobilien
- Kindermode
- Konservativer Damenmode
- Konservativer Herrenmode
- Kosmetik- und Körperpflegeartikeln
- Küchen- und Haushaltsartikeln
- Lederwaren & Accessoires
- Preiswerter Damenmode
- Preiswerter Herrenmode
- Schmuck
- Schuhen
- Spielzeug- und Kinderartikeln
- Sport- und Fitnessartikeln
- Telekommunikationszubehör
- Unterhaltungselektronikzubehör
- Wäsche & Dessous
- Weißer Ware
- Wohn- und Einrichtungsartikeln

### Kaufkraft, Personen nach

- Frauen
- Junge Familien
- Männer
- Senioren

## Kfz/Auto, geplante Anschaffungskosten

- bis 7.500 €/CHF 12'000
- 7.500–10.000 €/CHF 12'000–16'000
- 10.000-12.500 €/CHF 16'000-20'000

# Wandern Windsurfen Personen, städtereisende Peugeot-Besitzer Pfeifenraucher Pferdebesitzer PickUp-/Transporter-Besitzer Planung Modernisierungsmaßnahmen Porsche-Besitzer Portugal-Urlauber Postkäufer

- mit hoher Postkaufneigung
- mit mittlerer Postkaufneigung
- mit niedriger Postkaufneigung
   Preiswerte Damenmode-Käufer
   Preiswerte Herrenmode-Käufer

### Raucher

- aromatisierte Zigarillos
- Filterzigaretten
- ohne Filter
- selbstgedrehte Zigaretten
- Zigarren, Zigarillos
- Pfeife
  - Reihenhausbewohner
  - Reise- und Freizeit-Interessierte Reisende
  - Bildung
  - Kultur
  - Sprache

### Schmuck-Käufer Schnäppchen-Käufer Schulbe-Käufer Schulbildung, Personen nach • Fachhochschulreife • Hochschulreife (Abitur)

- Polytechnische Oberschule
- Realschule (mittlere Reife)
- Volks-/Hauptschule
- Schweiz-Urlauber
- Seat-Besitzer
- Segelboot-Besitzer
- Selbstständige
- allein tätig
  - bis 10 Mitarbeiter
  - über 10 Mitarbeiter
     Freiberufler
  - Selbstbucher-Urlauber

## Senioren

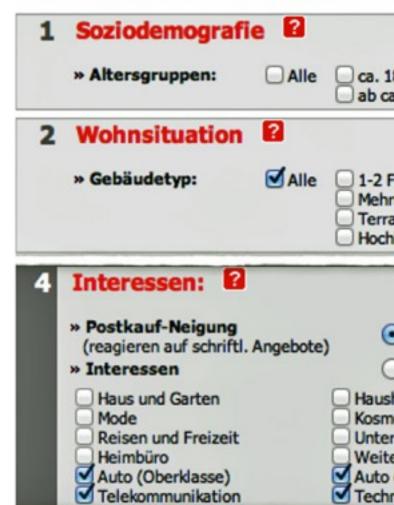
- Frauen
- Männer
- nach Kaufkraft
- Single-Haushalte
- Skandinavien-Urlauber
- Skiurlaub-/Wintersport-Interessenten Skoda-Besitzer

### 

- Spi The Future of Targeting
- Behinderte

### Blindenverbände

## » Hier wählen Sie Ihre Kriterien aus: Privatadressen Deutschland



§§ 28, 28a BDSG

		Suche	nach Geschlecht, Kauf	kraft
8-30 Jahre a. 60 Jahre	🗌 ca. 30-4	5 Jahre	Ca. 45-60 Jahre	
		5	uche nach Baujahr, Ga	arten
Familienhaus rfamilienhaus assenhaus nhaus	Baue Wohr	en/Doppel rnhaus hblock /Fabrik	haus	
		Suche	nach Interessensgebi	eten
nicht aussch	laggebend	Omit	Postkaufneigung	
) nicht aussch	laggebend		eressen anzeigen	
halt netik und Gesur rhaltung erbildung (Mittelklasse) nik, PC und Int		Geria	iter Chober	GROUF
inty PC und Int	emet	Th	e Future of Targetin	a

## CONSUMER TARGETBASE



## **Consumer TargetBase**

Vielfältige Konsumenten-Zielgruppenpotenziale für effizientes Targeting im Multi-Channel-Marketing

## Automotive

## Auto/Kraftlahrzeug

- · Erst-/Zweitwogen
- Neu/Gebraucht

## Database Lifestyle Segmentation

- · Die Markentreuen
- Die Individualisten
- Die Rationalisten
- · Die Innovatoren mit Unweitorientierung
- · Die Sport- und Technikfreaks
- Die Pragmatisten

### Database Freizeit und Medien

### Databases Freizeit-Interessen

- Hobbygärtner
- · Heimwerker
- · Computer
- · Fotografie
- · Tierfreunde
- · Kochen
- · Sport und Fitness
- · Gesundheit

### Databases Medien-Interessen

- TV-Sender
- · Zeitschriften-Titel
- · Zoitungstitel

# Advertisement

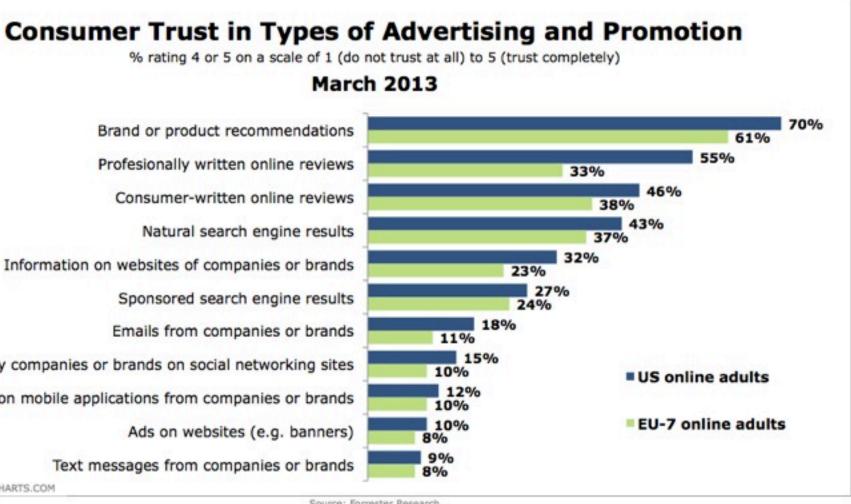


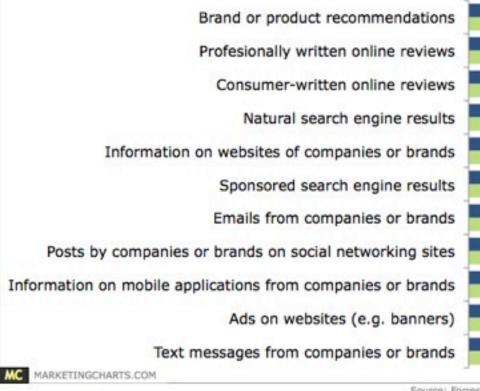
# Social Advertising



## Reach the right people.

Instead of creating an advertisement and hoping that it reaches the right customers, you can create a Facebook Social Ad and target it precisely to the audience you choose. The ads can also be shown to users whose friends have recently engaged with your Facebook Page or engaged with your website through Facebook Beacon. Social Ads are more likely to influence users when they appear next to a story about a friend's interaction with your business.

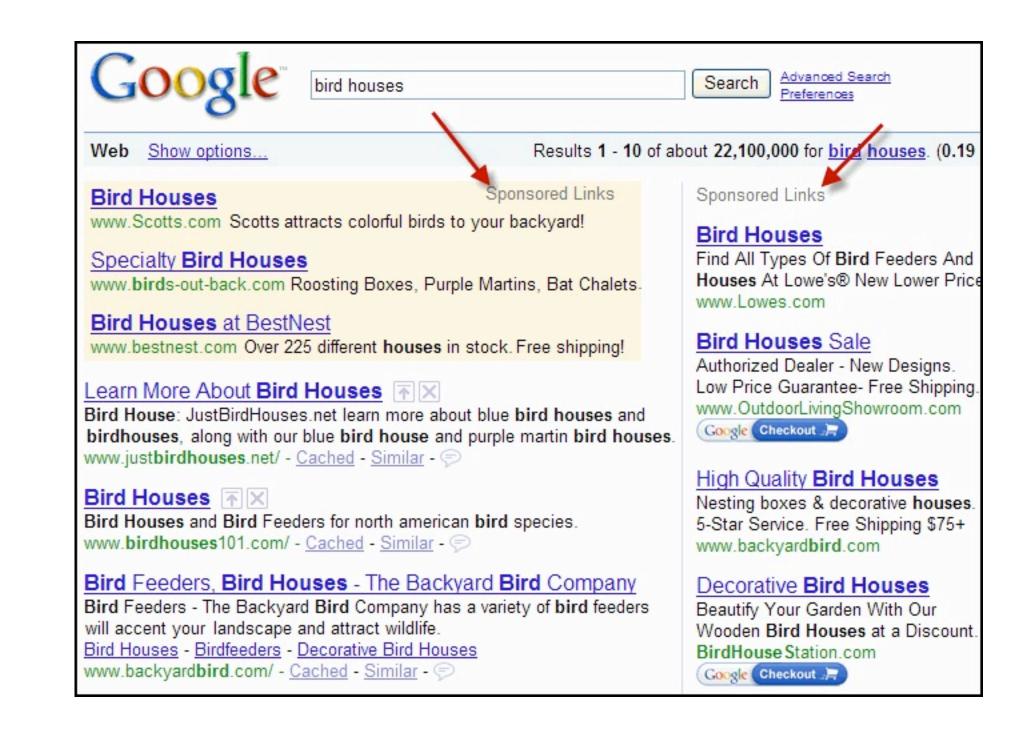




Source: Forrester Research

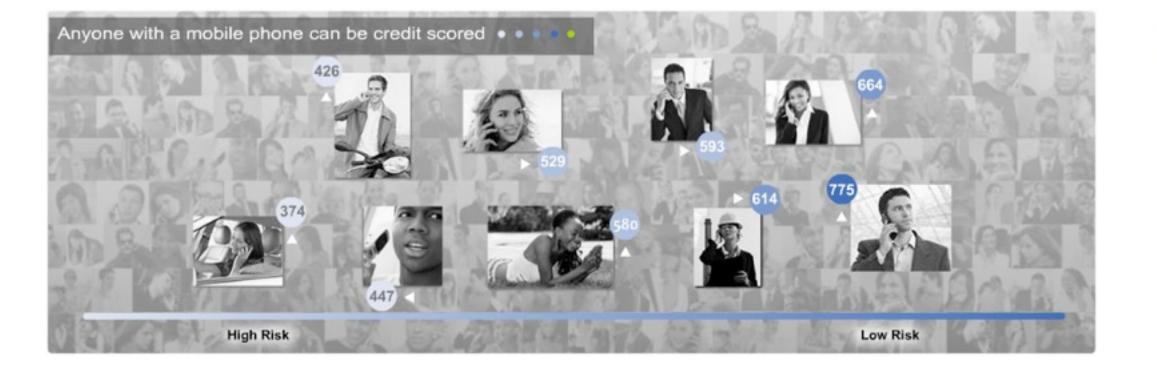
http://internetmedialabs.com/wp-content/uploads/2013/03/Forrester-Consumer-Trust-Advertising-Promotion-Types-Mar2013.png

# Google AdWords



# Credit Scoring

http://www.cignifi.com/en-us

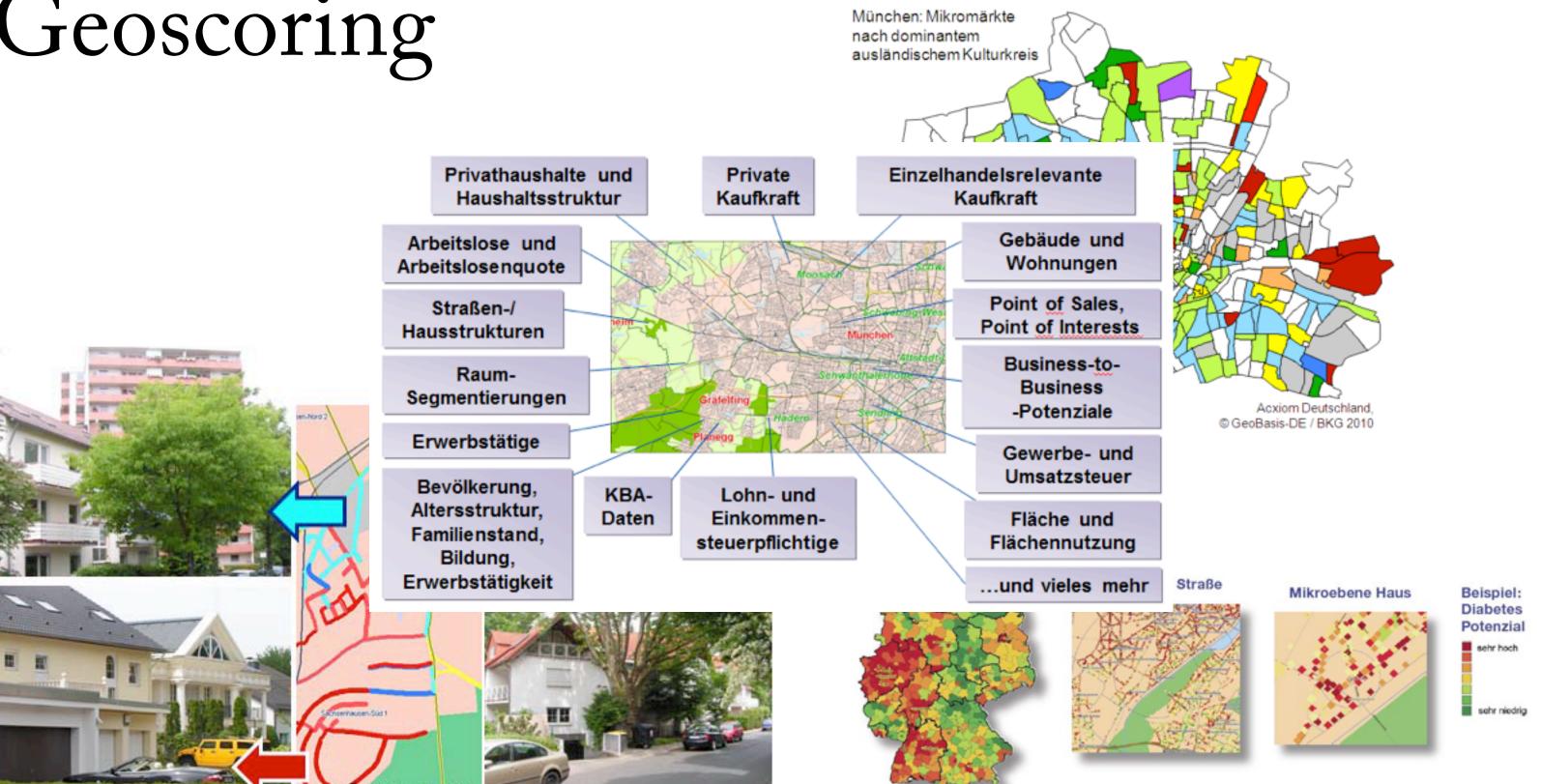


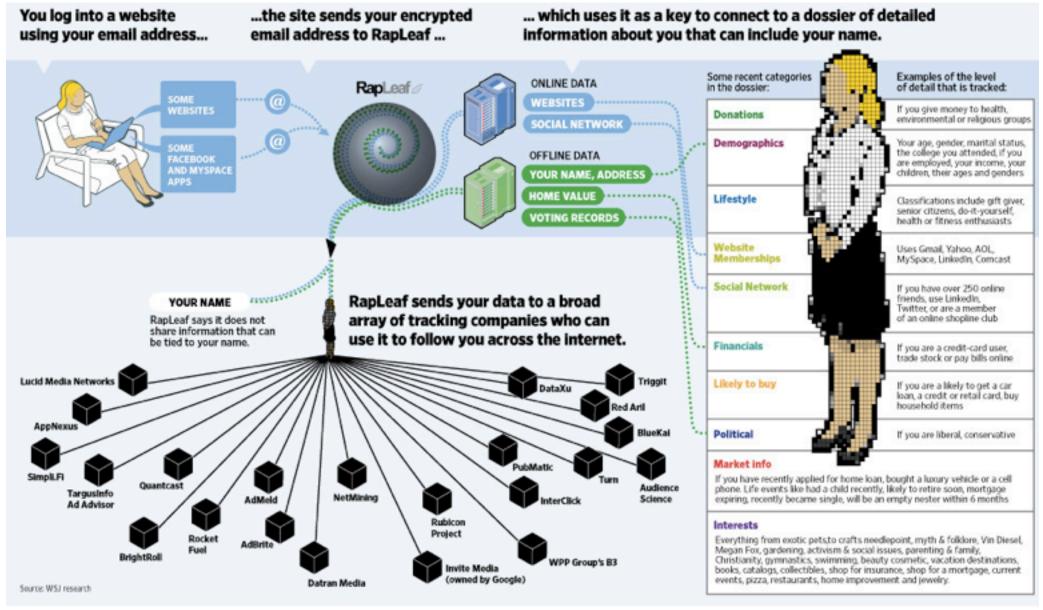
# Response Score

## § 28b BDSG



# Geoscoring





### **RapLeaf's Information**

RapLeaf organizes its data into broad categories and then further slices each of those into segments. Some categories, such as "interests," have more segments than others.

PERSONAL	FINANCIAL	COMPUTER	PURCHASES
Demographics Interests Politics Lif	festyle Finances Donations	Social Site networks membership	Likely to buy Shopping for

http://s.wsj.net/public/resources/documents/st\_RAPLEAF\_20101018.html



# Datalogix

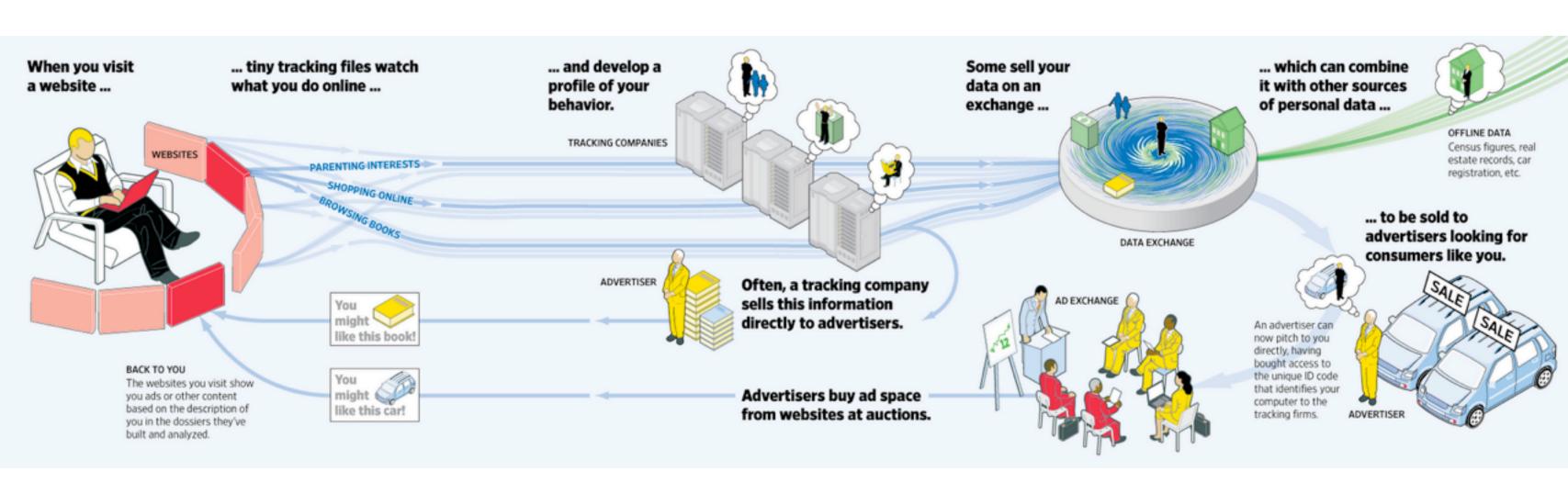
## Data from loyalty programs

In order to assess the impact of Facebook advertisements on shopping in the physical world, Datalogix begins by providing Facebook with a (presumably enormous) dataset that includes hashed email addresses, hashed phone numbers, and Datalogix ID numbers for everyone they're tracking. Using the information Facebook already has about its own users, Facebook then tests various email addresses and phone numbers against this dataset until it has a long list of the Datalogix ID numbers associated with different Facebook users.

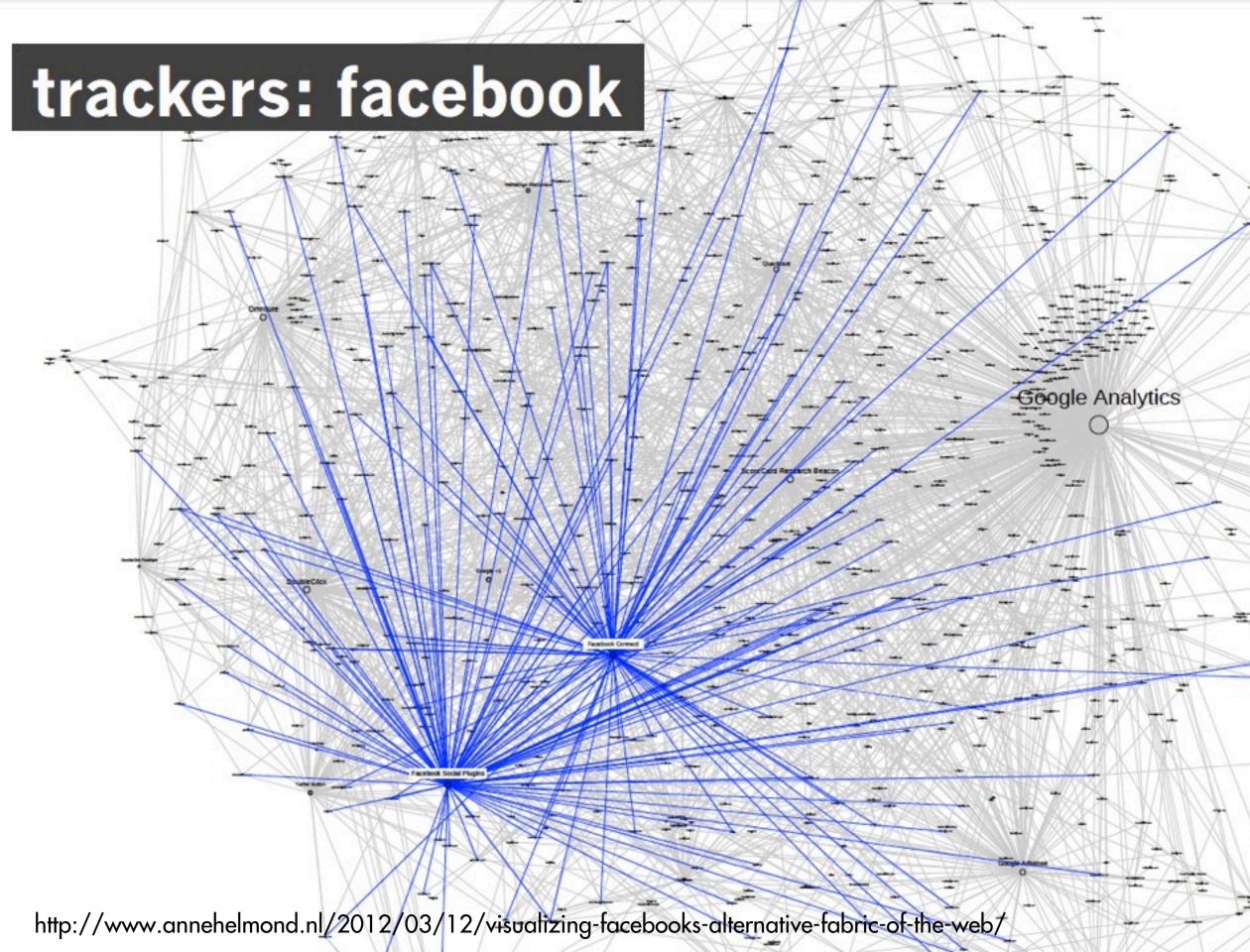
Facebook then creates groups of users based on their online activity. For example, all users who saw a particular advertisement might be Group A, and all users who didn't see that ad might be Group B. Then Facebook will give Datalogix a list of the Datalogix ID numbers associated with everyone in Groups A and B and ask Datalogix specific questions – for example, how many people in each group bought Ocean Spray cranberry juice? Datalogix then generates a report about how many people in Group A bought cranberry juice and how many people in Group B bought cranberry juice. This will provide Facebook with data about how well an ad is performing, but because the results are aggregated by groups, Facebook shouldn't have details on whether a specific user bought a specific product. And Datalogix won't know anything new about the users other than the fact that Facebook was interested in knowing whether they bought cranberry juice.

# Technics

# Tracking



http://graphicsweb.wsj.com/documents/divSlider/ecosystems100730.html

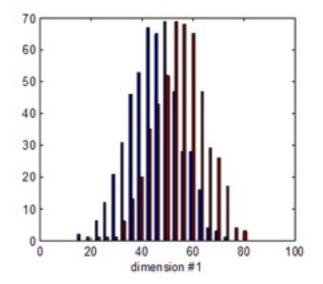


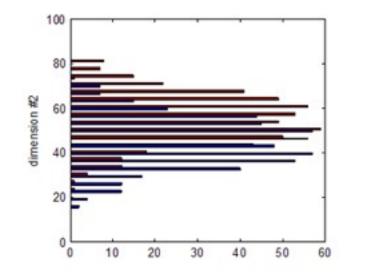
## Acquisition

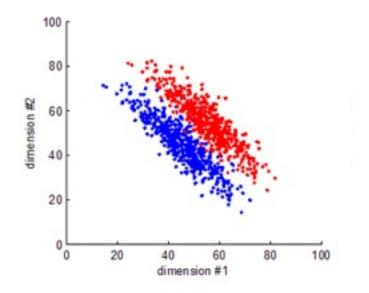
Websites using Facebook Social Plugins and Facebook Connect in the top 1000 global websites according to Alexa, 02/12/2012.

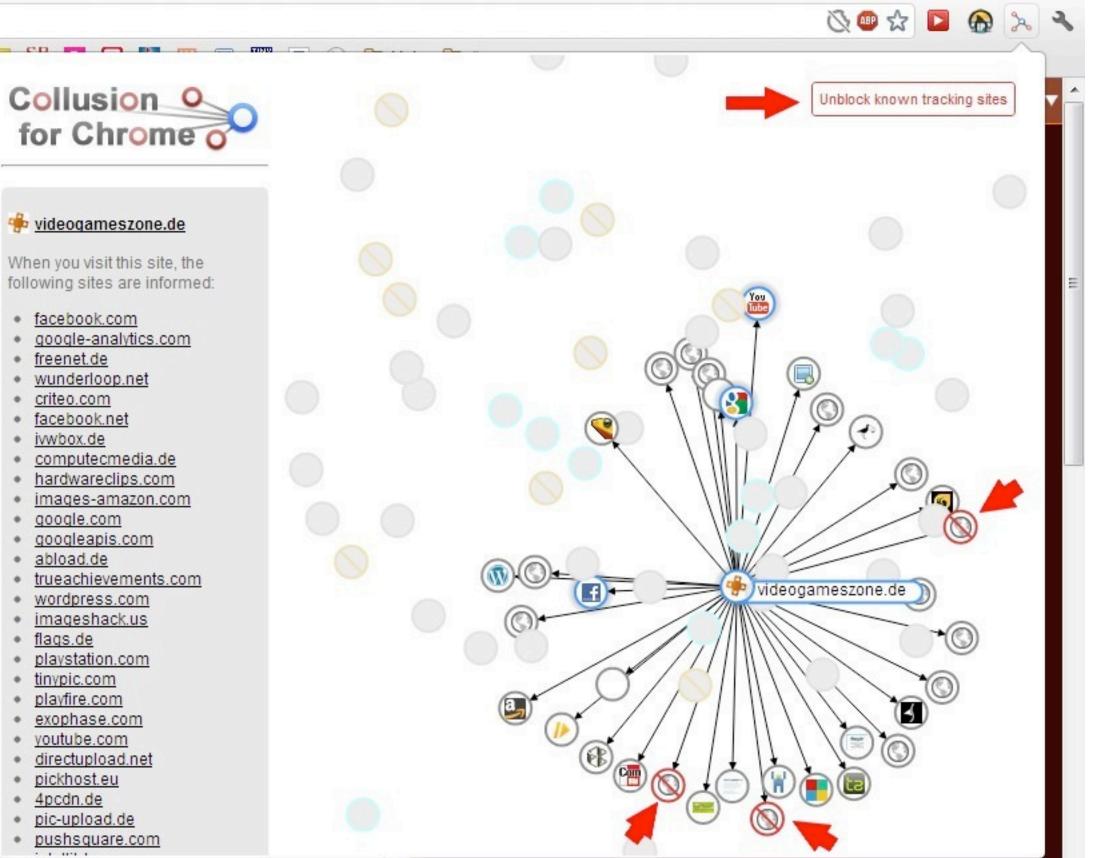
## Anne Helmond & Carolin Gerlitz

## Data Fusion





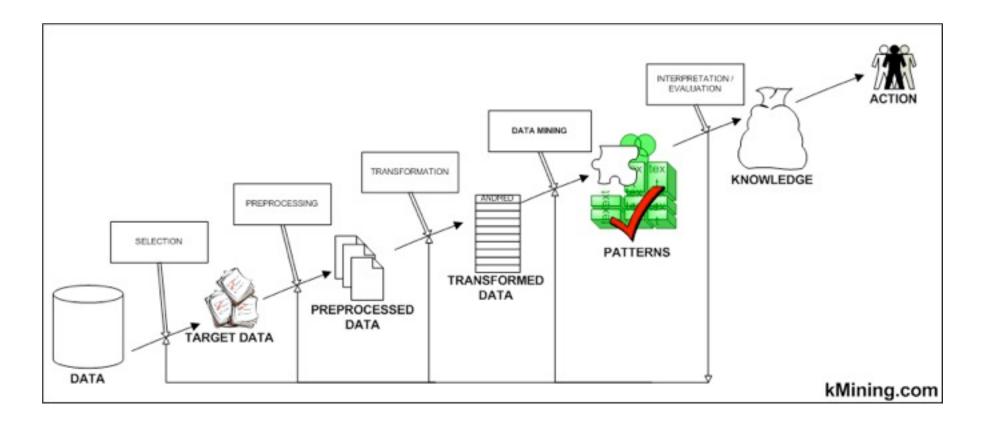


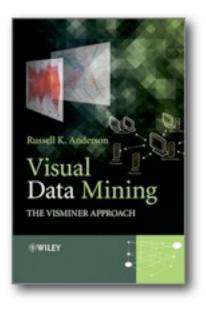


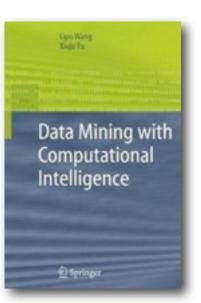
## 撞 <u>videoqameszone.de</u>

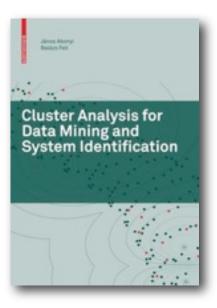
When you visit this site, the following sites are informed:

- facebook.com
- google-analytics.com
- freenet.de
- wunderloop.net
- criteo.com
- facebook.net
- ivwbox.de
- computecmedia.de
- hardwareclips.com
- images-amazon.com
- google.com
- googleapis.com
- abload.de
- trueachievements.com
- wordpress.com
- imageshack.us
- flags.de
- playstation.com
- tinypic.com
- playfire.com
- exophase.com
- voutube.com
- directupload.net
- pickhost.eu
- 4pcdn.de
- pic-upload.de
- pushsquare.com







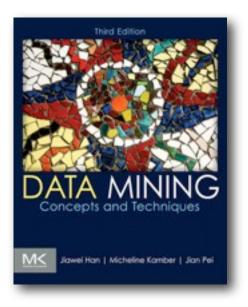


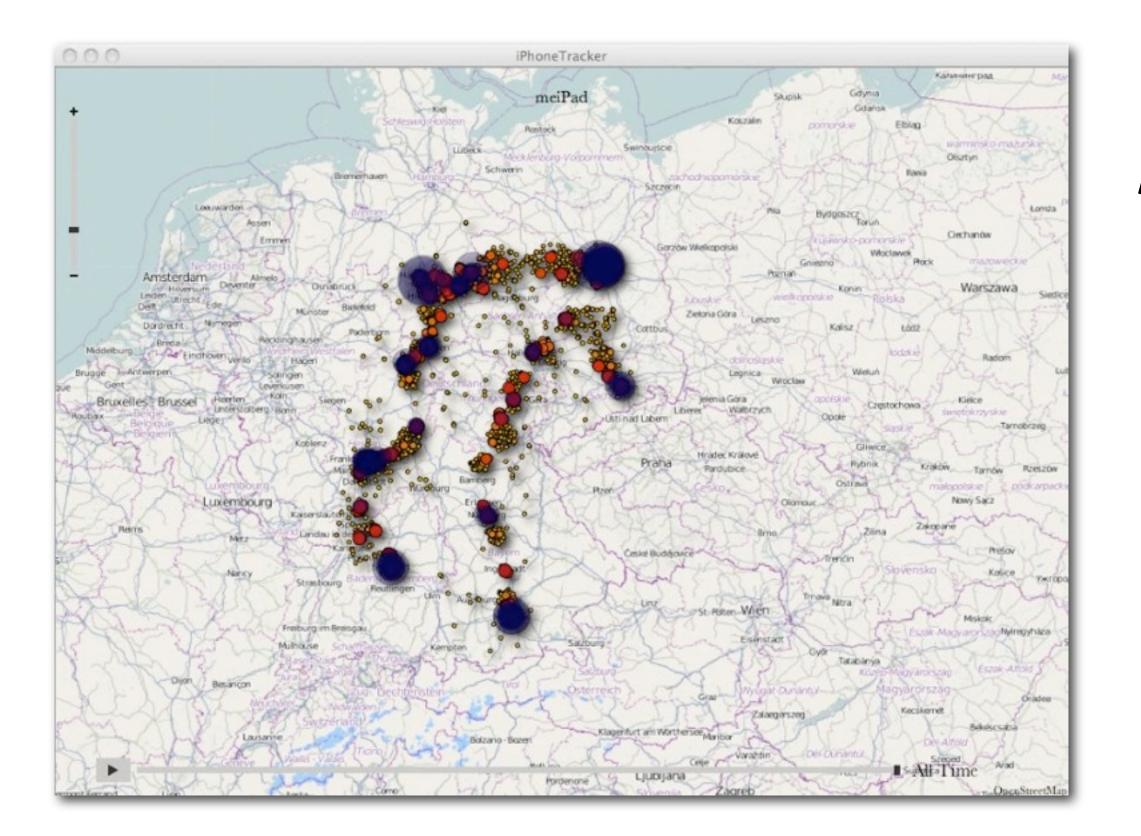


Data Mining Concepts, Models and Techniques

2 Springer

# Data Mining





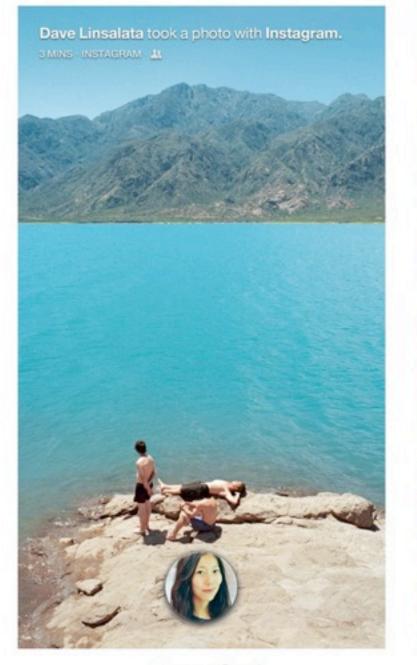
# Location Tracking

# De-Anonymization

Private traits and attributes are predictable from digital records of human behavior http://www.pnas.org/content/early/2013/03/06/1218772110



# Facebook Home



Cover feed

Will Bailey with Tom Alison and 2 others at North Peak - On top of the world.



Candy Crush Saga: Tom Alison sent you a request



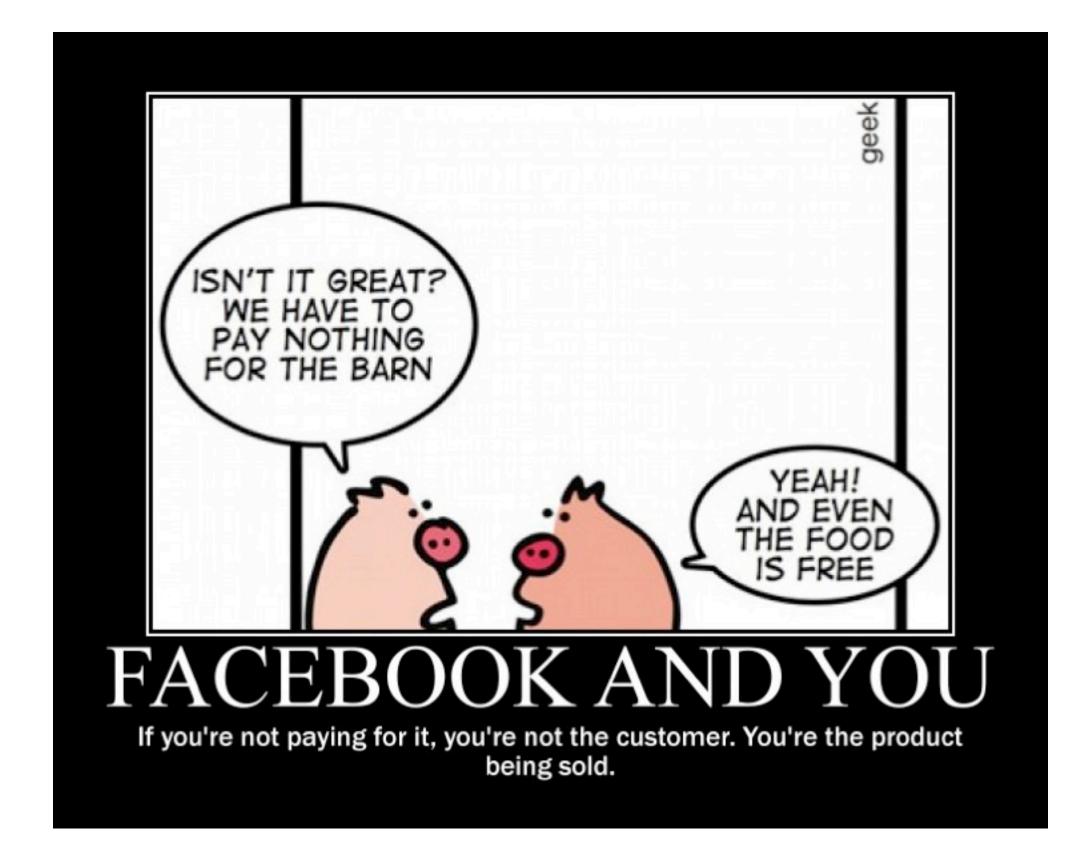






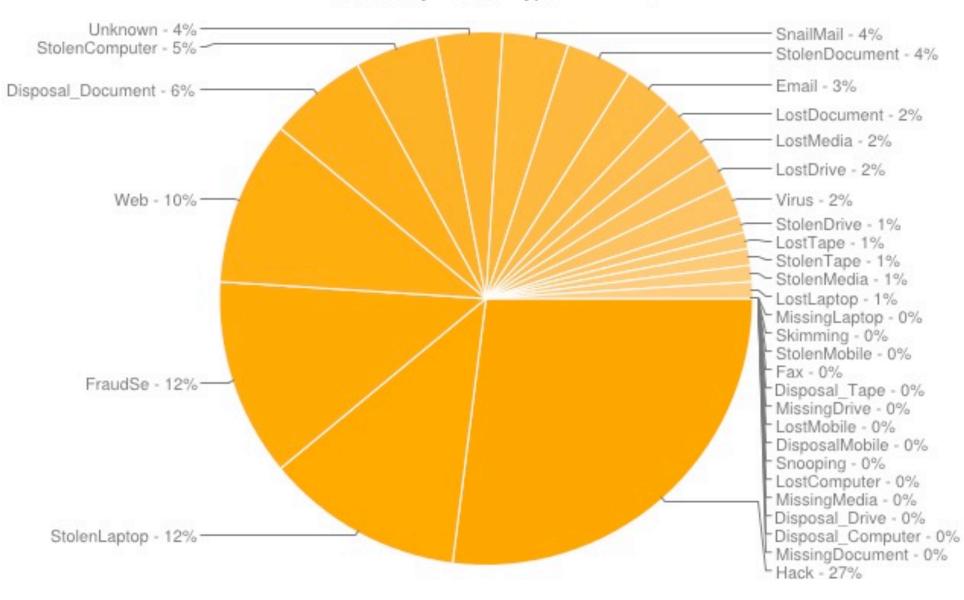
☆	Can't Hold
1:28	
≫	M

Chat heads



# Counter Measures

# Risks



Incidents by Breach Type - All Time

## http://datalossdb.org/

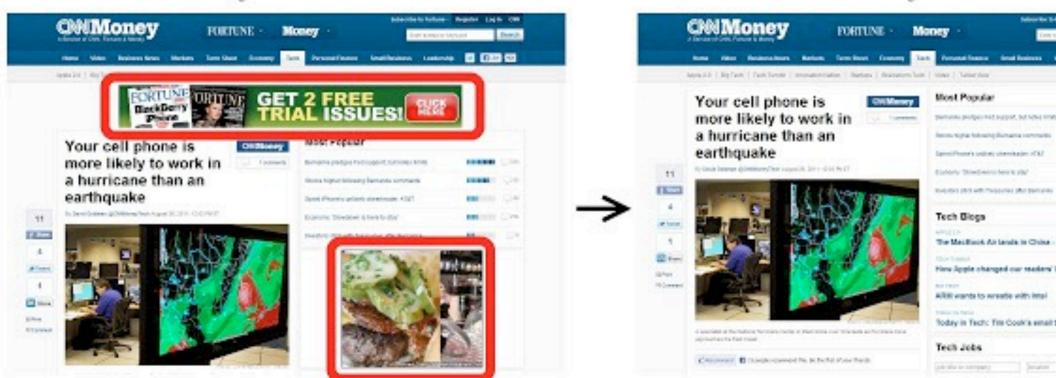
Loose of control Individual Risk Commercial Interests Profiling and Scoring Leaking Data Loss False / old data Misuse Identity Theft

# Adblocking

THE MOST POPULAR EXTENSION FOR CHROME.

before

AdBlock.



Automatically blocks video ads, banner ads, Flash ads, Facebook ads, text ads...

-Tarte -	Napror Logie CM	
	MARKED CAR	
	manual Cire	
nd late	Tor	
**		
Apple	emplayees	
	Sec.	

after

SO NORMALLY THERE WOULD BE AN AD IN THIS SPOT. BUT YOU'RE USING ΔD-ΒΙ Ο( F BOSS Δ LIKE A BOSS WHO HATES ADS. & THAT'S COOL, EXCEPT THAT OKCUPID IS AD-SUPPORTED & WE NEED MONEY TO RUN THIS BEAST. HERE'S A SOLUTION: YOU TO US ONCE, & WE **REMOVE ALL ADS FROM** THE SITE FOREVER YOU DON'T HAVE TO SEE GARBAGE ADS; MAKE A LITTLE OF THE MONEY BACK THAT WE'RE LOSING FROM THE BLOCKER. EVERYONE WINS

**That Seems Fair** 

# Ghostery



## Detect

Ghostery sees the invisible web - tags, web bugs, pixels and beacons. Ghostery tracks the trackers and gives you a roll-call of the ad networks, behavioral data providers, web publishers, and other companies interested in your activity.

			===
	1000	REALES	CO DE DESERVA
1	California (	aparate a	Contraction of the

## Learn

After showing you who's tracking you, Ghostery also gives you a chance to learn more about each company it identifies. How they describe themselves, a link to their privacy policies, and a sampling of pages where we've found them are just a click away.

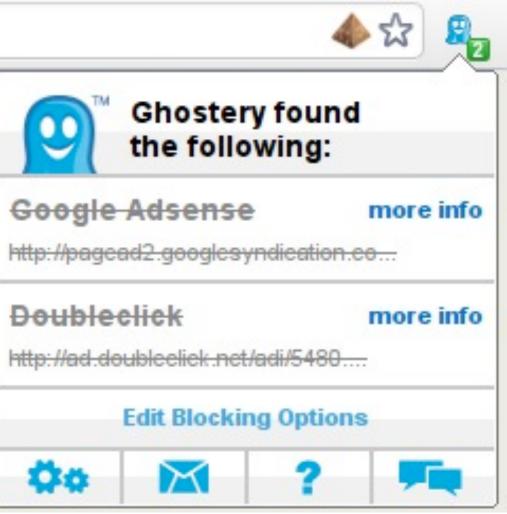


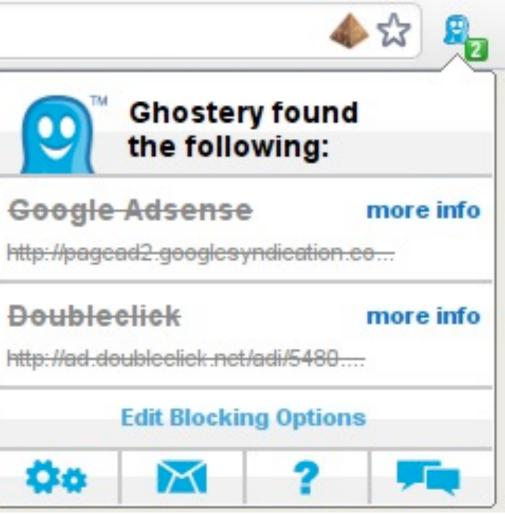
Ghostery allows you to block scripts from companies that you don't trust, delete local shared objects, and even block images and iframes. Ghostery puts

your web privacy back in your hands.

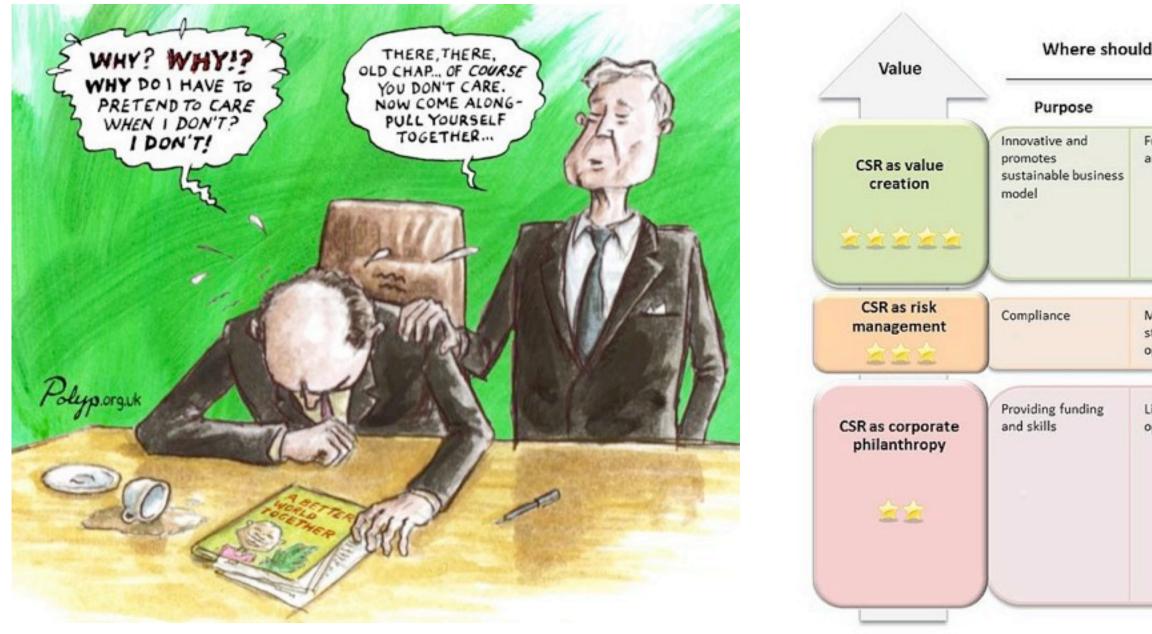








# Corporate Social Responsibility



## Where should big corporations be spending their CSR resources?

Impact	Benefits
Fundamental strategic and operational impact	<ul> <li>Shared value (business – institutions and communities)</li> <li>Promote competitiveness and innovation</li> <li>Promotes a sustainable business model</li> <li>Integrates business into the community</li> <li>Develops Human Capital (key in developing countries)</li> <li>Incorporated into the Business Strategy</li> </ul>
Medium to high strategic and operational impact	<ul> <li>Mitigates operational impact</li> <li>Mitigates operational risks</li> <li>Supports external relationships</li> </ul>
Little strategic and operational impact	<ul> <li>Corporate Philanthropy and sponsorships</li> <li>Short-term benefits / not always sustainable</li> <li>Limited funds available</li> <li>Impact diluted because limited budget is allocated to many charities</li> <li>Corporate competencies and other business assets not fully utilized.</li> <li>Misalignment between business and social responsibility strategies and functions.</li> <li>Result in minimal social and business impact of social programmes.</li> </ul>

## http://en.wikipedia.org/wiki/Corporate\_social\_responsibility