

Whose Identity is it Anyway?

Consumer Representation in the Age of Database Marketing

Detlev Zwick
York University
dzwick@schulich.yorku.ca

Nikhilesh Dholakia
University of Rhode Island
nik@uri.edu

Contact address:

Dr. Detlev Zwick
306 Schulich School of Business
York University
4700 Keele Street
Toronto, ON M3J 1P3
Phone: 416-736-2100 ext. 77199
Fax: 416-736-5687
Email: dzwick@schulich.yorku.ca

Acknowledgements:

Research support from these sources is gratefully acknowledged: Research Institute for Telecommunications and Information Marketing (RITIM) at University of Rhode Island, and Schulich School of Business, York University.

The authors would like to thank John Deighton, Eric Arnould, Jonathan Schroeder, Eileen Fischer, and Alladi Venkatesh for their helpful comments on earlier drafts of this paper.

Author Biographies:

Detlev Zwick is Assistant Professor in the Schulich School of Business, York University, Canada. His dissertation on "The Speed of Money", a study of electronic investor behavior, won the MSI-Clayton Dissertation Proposal award.

Nikhilesh Dholakia is Professor in the Marketing, E-Commerce, and Management Information Systems Areas in the College of Business Administration at the University of Rhode Island, USA. His latest book is *Worldwide E-Commerce and Online Marketing: Watching the Evolution*, Quorum Books, 2002. He is currently working on the book *M-commerce in North America, Europe and Asia-Pacific: Cases and Readings*, Idea Group Publishing, 2003 (forthcoming).

Last revised: May 12, 2003

Whose Identity is it Anyway?

Consumer Representation in the Age of Database Marketing

Abstract

In the information-intensive marketplaces of the networked economy, database-related marketing techniques such as Customer Relationship Management (CRM) have gained unprecedented popularity. Their development is based on the assumption that greater capturing of customer information in digital databases leads to epistemologically superior insights about the customer. The proliferation of customer databases, however, has triggered privacy concerns and has encouraged consumers to devise information externalization strategies to maintain control over their digital representation (i.e., identity) vis-à-vis companies. Drawing on poststructuralist theory, we argue that current consumer strategies are ineffective in maintaining control over one's identity in the electronic marketplace because such strategies are based on an obsolete ontological distinction between the "real" customer and his or her digital representation. We suggest that in the age of database marketing digital consumer representations in fact constitute the consumer. Therefore, only if consumers are given full access to companies' customer databases can they maintain a sense of control over their identities in the marketplace.

Keywords: Poststructuralism, Databases, Database Marketing, Identity, Consumer Sovereignty, CRM, eCRM, Electronic Commerce, Customer Interactions, Privacy.

Introduction

The Information Age and especially the digital revolution have transformed how businesses collect, store, access, and share information. The pre-digital consumer went shopping at a downtown store and paid cash for all her purchases. As a result, she remained relatively anonymous and private. The faceless crowd provided a veneer of protection and all information exchanges between her and sales clerks occurred in person. Except for personal recall, no meaningful trace of such transactions remained with the seller after the customer walked out of the store. In the digital mall this is no longer the case.

‘Being digital’ means first and foremost the transformation of physical matter into electronically generated bits and bytes (Negroponte, 1995). The consumer that roams the mall is no longer a physical body but a set of data points – a *digital representation* of his or her movement and behavior (Turkle, 1995). Once matter has “gone digital” it can also be *stored* and *transferred* as binary bits (Lunefeld, 1999). This is the crux of the digital revolution: digital matter (e.g., in form of consumer information) becomes free flowing and free-floating, in technical as well as symbolic terms. The digital consumer is no longer entirely anonymous or private. Unlike oral communication, which ceases to exist as soon as words are uttered (Ong, 1982), digital communication leaves traces behind. These traces, coded in 0s and 1s, are the basic elements of an intricate language system that, as philosophers of language and media remind us, not simply represents but actively *constructs* the reality we perceive (Plant, 1997). Thus, whoever controls this language controls the production of reality, at least in digital spaces.

The electronic *marketspace* of the Internet – a vast network of consumer and product databases – represents the latest and most complete form of digitization. This marketspace is

dramatically different from the physical *marketplace* (Rayport & Sviokla, 1994) because marketers can now survey and analyze consumer behavior in such a detailed way that they achieve what has been unachievable heretofore: turning the consumer's interior inside out (Levy, 1998). Tracking software records every minute detail of online consumers (Locke, 2000), rendering them fully transparent and allowing deep access into their nature. With such information at hand, stored in massive databases yet accessed and analyzed with lightning speed, software packages produce a digital facsimile of the consumer in real-time. For the marketer this copy of the consumer effectively stands in for the real consumer. *It becomes the consumer's identity*. Electronic databases thus play a central role in the production of consumer identities in electronic marketplaces.

With the rise of database technologies and electronically mediated communications, new forms of marketing power have emerged. Among those commenting on the marketing implications of this new "mode of information" (Poster, 1990b), three camps have emerged. The first group espouses a distinctly utopian perspective of the Internet. This camp believes that the new medium revolutionizes marketing as we know it, by rendering the Kotlerite conception of the marketing mix obsolete, creating new wealth for companies, and delighting customers in the process (see, e.g., Kelly, 1998; Rayport & Sviokla, 1995; Sawhney & Zabin, 2001; Shapiro & Varian, 1999). The second group opposes the "end of marketing" argument and maintains that despite an undeniable increase in the use of computer networks and database technologies in market exchanges, time-honored marketing rules and economic foundations still govern, by and large, the (new) economy (see, e.g., Liebowitz, 2002; Wind, Mahajan, & Gunther, 2002). A third group believes just like the utopians in the transformative power of electronic communications for marketing practice and theory. Yet, endowed with a

skeptical perspective on technological change, this group doubles the discourse of technology by concerning itself also with the threatening effects of new information technologies on consumer privacy and corporate domination (see, e.g., Dholakia & Zwick, 2001a; 2001b; Hoffman, Novak, & Peralta, 1999; Nowak & Phelps, 1997).

All these ideological viewpoints and theoretical angles have much to offer for our understanding of the future of marketing in the networked society. Yet, all of them fail to grasp the “cultural innovations brought about by the integration of database technology into existing political, economic, and social institutions” (Poster, 1995b, p. 78). In particular the role of databases *as language* to make sense of the world, markets, and consumers has not been given due attention by marketing theorists. By failing to recognize that databases are a form of language marketers inevitably ignore the role of databases *in the constitution of consumers as cultural objects*. If we do recognize the productive power of databases, questions about consumer sovereignty and autonomy emerge. More specifically, the notion of consumer identity as something articulated by and tied to the consumer subject is put on trial in the electronic marketplace. In this paper we argue that the ability of consumers to constitute their own identity in the digital marketplace is severely limited if not completely eliminated because consumers no longer control the language that allows them to constitute their identities. Thus we are not concerned here with strategic, technical, and managerial questions of database marketing and its derivatives like customer relationship management (CRM¹) and GIS marketing². Rather, we hope to shed light on the cultural and theoretical implications of an increasingly networked marketplace with a particular focus on the question of consumer sovereignty and autonomy in constructing identity.

Basing our analysis on the poststructuralist theories of Michel Foucault (1972; 1973) and Mark Poster (1990b; 1995b), we argue that database technologies constitute a unique form of language. Because “a human being is configured as a subject, is given cultural significance, in the first instance through language” (Poster, 1995b, p. 79), the introduction of a new language such as binary encoding alters the way individuals are constituted as subjects and mobilized as identities. More poignantly in the case of database marketing and CRM initiatives, it changes how individuals are constituted *as consumer identities*. According to Foucault the creation of cultural objects is the same as the creation of knowledge and both are functions of linguistic power. If the linguistic power resides with database technologies, then the owners of such technologies are the holders of “the culturally formative power of subject constitution” (Poster, 1995b, p. 93). Therefore, in the mode of information the consumer’s ability to author his or her own identity in the marketplace is threatened because identity is increasingly constituted “away” from the consumer self, and ensconced in large customer databases.

The heated discussion on consumer privacy is an indication that this new reality of the networked marketplace is disconcerting to many consumers. Yet, important as this debate may be, it addresses only one part of a larger and more general struggle over the control of consumer identity (Deighton, 2003). Therefore, we hope to widen the debate by opening up new theoretical and conceptual avenues of analysis of marketing in computer-mediated environments (Hoffman & Novak, 1996). Our paper consists of three parts. First, we use the work of Michel de Certeau (1984) and Gary Marx (1999) to introduce and conceptualize popular consumer tactics of identity management in electronically mediated marketplaces. We theorize these tactics as attempts made by consumers to maintain “authorship” of their

identities in the face of “cookies”, click streams, collaborative filtering³, and databases. While hailed by many as potent consumer tactics for privacy protection and identity management, we argue that these tactics are ineffective because they are based on a model of identity developed for the physical world. Therefore, in the second part of the paper we draw from poststructuralist theory to advance our argument that the mode of information has brought about a need to retheorize consumer identity as electronically constituted. We argue that because of database-driven marketing techniques and CRM the creation of digital consumer identities is no longer under the control of the real consumer. Indeed, consumer identities are assembled as digital representations in multiple databases without the consumer always being aware of it. Hence, we witness a *multiplication* of consumer identities, as *varied* consumer profiles of the *same* consumer accumulate in dispersed databases. Therefore in the final part of this paper we propose that only if consumers have direct access to companies’ customer databases can they regain control over their consumer identities and reclaim their autonomy in the networked marketplace of the 21st century.

Form a theoretical perspective, our paper adds to previous writings in poststructuralist consumer research (Holt, 1997; Thompson, Arnould, & Stern, 1997; Thompson & Hirschman, 1995). We extend the existing literature, however, by applying the analytical power of poststructuralist theory to study the effects of information technology, specifically database technologies, on marketing as a system of knowledge (cf. Lien, 1997). On a more general level, by investigating consumers’ tactics of identity construction in electronic communication networks, our paper contributes to the nascent literature in the field of online consumer research.

Controlling Identities in the Age of Electronic Commerce

Firat and Venkatesh (1993) observed that marketing has become the totalizing narrative of postmodernity. In the mode of information, the totalizing discourse is database marketing. Therefore, and contrary to Robert Kozinets's (2002) vision of a temporary and local market escape, emancipation from the market cannot be accomplished by simply ejecting oneself from the physical geography of the market. Turned into a digital representation, the consumer is no longer the autonomous and self-governing locus of identity construction. The market also no longer presupposes the consumer's physical presence for participation. Once her consumer identity is digitally constituted and multiplied, the customer is defined, analyzed, categorized, and acted upon by the market (i.e., marketing) at all times; even (or should we say *principally*?) when her "real" self is absent. Contemporary consumers increasingly populate databases, not geographies. Kozinets's mistake is common in consumer research because of the field's emphasis on action – e.g., consuming a product, constructing meaning, constructing identities or "selves", etc. – and regarding the consumer as the locus of action and, hence, meaning. By doing so, the significance of language as a productive force in marketing discourse is continuously undervalued (O'Shaughnessy & Holbrook, 1988).

In the mode of information, we can no longer ignore the power of language in the constitution of consumers because consumer sovereignty and autonomy cannot be conceptualized outside the logic of power that constitutes them. Hence, consumer tactics of resistance to the electronic data surveillance web – whether they prove ultimately successful or not – are likely to be linked to a desire to control the externalization of personal information. Therefore, in the first section of the paper we will describe current forms of information externalization tactics (IET) employed by consumers to resist the corporate

production of virtual online consumer identities. Echoing Douglas Holt we suggest that such consumer tactics can be understood as the quest for sovereignty; an attempt to reclaim control over the process of identity formation in the face of surreptitious modes of profiling, categorization, and targeting that are performed *by others* whenever the consumer enters the electronic consumptionscape (see also, Dholakia & Zwick, 2001b).

Internet, Dataveillance, and Consumer Tactics

Despite the tremendous rise of electronic transactions in North America and Europe over the past 20 years, perfect customer data surveillance was difficult before the advent of the Internet. The Internet marks a major qualitative shift in the ability to collect, store, analyze, and exchange customer data because in this seamless electronic environment customers continuously leave digital data traces that are easily recorded, stored, and cross-referenced. It has not escaped online consumers that marketers regard the Internet as a sleek and immense data collection machine. Studies on Internet privacy regularly reveal a high level of concern, expressing a consumer sentiment that Poster (1995a, p. 84) has termed “database anxiety”. Between credit cards, automatic teller machines (ATMs), loyalty programs and the Internet, consumers must become inventive to maintain control over the externalization of their personal information and in the process secure a phenomenological sense of self-governance, sovereignty, and autonomy. The work of cultural sociologist Michel de Certeau (1984) provides a basis from which to theorize these consumer inventions and actions in the face of totalizing discourses of digital consumer surveillance.

In his book *The Practice of Everyday Life* (1984), Michel de Certeau investigates the art of *making do* as practiced by individuals as they go about their everyday life⁴. He introduces a clear distinction between the concepts of ‘strategies’ and ‘tactics’. De Certeau

argues that while systems may implement strategies to designate particular activities to specific places, individuals devise tactics that offer innumerable ways to evade or transgress this imposed “law of the place” (1984, p. 29). In his view, a strategy is “a *place* that can be delimited as its *own* and serve as the base from which relations with an *exteriority* composed of targets or threats (customers or competitors, enemies, the country surrounding the city, objectives and objects of research, etc.) can be managed” (1984, p. 37). Management of a place like the information-intensive marketplace of today is made possible through sight (cf. Virilio, 1989). Vision in the age of the Internet means access to data flows; bits and bytes as the representation of exterior reality. In an almost uncanny anticipation of the possibilities of current information networks, de Certeau states that a delimited place enables a practice of supervision “proceeding from a place whence the eye can transform foreign forces into objects that can be observed and measured, and thus control and include them within its scope of vision” (1984, p. 37). In the world of marketing such “foreign forces” are the consumers. Furthermore, in the mode of information the system implementing strategies to designate consumption activities and compose relations with consumers on the Internet is made of databases.

De Certeau defines tactics as “a maneuver within the enemy's field of vision, as von Bülow put it, and within an enemy territory” (1984, p. 37). As if he had the Internet in mind, he suggests that tactics are a clever utilization of, or a form of making do with, the resources of time and space that exploit cracks in the strategies enacted by the “surveillance of the proprietary powers” (p. 37). For De Certeau devising tactics consist of devising of ways around the constraining order of the place. Thus he believes individuals take a creative approach to everyday life, where they resort to artisan-like inventiveness, trickery and guileful

ruse. De Certeau conceives of an individual that thereby introduces play into everyday life, so that s/he may “survive” the strategies enacted by power.

De Certeau’s use of military metaphors may appear drastic. Online shopping is hardly a matter of life or death. Yet, this should not divert our eyes from the usefulness of these concepts to describe the nature of consumer behavior (i.e., the devising of guileful tactics) in information-intensive marketspaces. Consumers increasingly perceive such marketspaces as oft-antagonistic networks of power designed to monitor their every move for the purpose of pushing more advertising and marketing messages (Bennett, 1996; Bogard, 1996; Clarke, 1994; Johnston, 2000).

In particular de Certeau’s allusion to the subversive power of play is instructive. Consumer researchers (Grayson, 1995; Holt, 1995) and sociologists (Huizinga, 1950; Turkle, 1995) have documented the importance of playful consumption strategies in the process of negotiating social relationships. To conceptualize subversive consumer tactics as play suggests that effective resistance to the “proprietary powers” takes place within a delimited and shared framework of rules and regulations. In other words, instead of aiming to overturn and rewrite all existing rules of the game, playful tactics of resistance are devised within the same rules that constitute the web of domination in the first place.

Within networks of computer-mediated communications, these rules are the rules of information flows and databases. As companies build up bigger databases, consumers realize the associated change in the nature of *identity knowledge* (Marx, 1999). Identity knowledge is now defined by the *amount* and *accuracy* of digitally stored personal information. Attempts to regain control over the constitution of one’s identity require tactics that control the information flow to the system. In other words, as the law of the place becomes dominated by

companies' data collection strategies, consumers try to devise tactics that allow them to control either the amount or the accuracy (or both) of personal information that ends up in electronic databases. Consumers understand that new ruses, plays, and trickeries are needed to "make do" once identities are formed by the language of the database.

Building on Gary Marx's (1999) conceptualization of identity knowledge we can identify four different tactics consumers apply to manage the externalization of their personal information in computer-mediated marketspaces (see Figure 1). The same tactics also help conceptualize consumer tactics in the "real" world. After all, the distinction between cybernetic marketspaces and marketplaces (cf. Rayport & Sviokla, 1994) becomes increasingly blurred because of the general proliferation of electronic transaction networks and databases. Marx's original conceptualization, however, was based on an analysis of the new realities of the virtual, which brings into much stronger focus the need for consumer tactics of identity management.

Figure 1: Four Tactics of Identity Management

		Accuracy of Personal Information Externalized	
		High	Low
Amount of Personal Information Externalized	High	Identifiability	Anonymity/ Pseudonymity
	Low	Confidentiality	Secrecy

The first tactic, *identifiability*, refers to the consumers’ disposition to disclose all personal information with high accuracy, thereby allowing companies to acquire a high degree of identity knowledge about consumers. Identifiability is therefore the least powerful tactic for protecting personal information. Identifiability, however, may be perceived (wrongly as we will argue below) as the most powerful consumer tactic – laying all the cards on the table to secure an authentic and accurate digital representation in the marketplace. *Confidentiality* is the externalization of restricted but highly accurate information to a specific company. Confidentiality then incorporates identifiability but restricts the information flow in terms of what is externalized and who gets to see it. It is based on trust. The consumer’s

objective is to secure an accurate representation of his or her identity to a designated and trusted set of companies and websites. *Secrecy* expresses a disposition toward the sharing of little and potentially inaccurate information. Identifiability, and to a degree communication, is avoided and the relationship is characterized by distrust. Consumer information is not actively shared. Secretive withholding (avoiding externalization) of personal data is then regarded as an attempt to block any digital representation from emerging in the networked marketplace. *Anonymity* and *Pseudonymity* are tactics that enable the consumer to externalize virtually infinite amounts of *inaccurate* personal information. Infinite because pseudonymity allows for the ongoing invention of new personae for which new personal information has to be creatively imagined. Overt identifiability, in the sense of revealing to the marketer an accurate representation of the consumer self, is deliberately avoided.

While making use of the dimensions of identity knowledge in very different ways, all tactics can be conceptualized as deliberate efforts by consumers to manage and control the construction of their digital identities. For example, the externalization of fully accurate information about oneself (identifiability and confidentiality) into the network of databases aims to foster truthful digital representations “out there”. Both tactics are expressions of the consumer’s hope that a precise digital blueprint of him or her can in fact be assembled. In other words, online consumers may feel that the *diffusion* of their digital identities through the electronic networks may be hard to control. Yet, the *constitution* of these identities is in the hands of an autonomous and self-determined consumer self.

Secrecy is an attempt to avoid the construction of a digital consumer self *tout court*. While consumers using identifiability and confidentiality as their externalization tactics are concerned with the *accuracy* of the digital representation (and to some degree its rate and

range of exchange), secretive consumers seek to avoid digital representations of the real self, accurate or not. According to this stance, secrecy is the only way an individual can remain a self-governing entity in the mode of information. Similar to secrecy, anonymity and pseudonymity are externalization tactics that have as their goal the concealment of a consumer's real identity, but via playful revelation of made-up identities (Turkle, 1995). In order to participate fully in the social reality of computer-mediated communications (shopping, informational services, chat rooms, dating sites, porn sites, etc.), the creation of multiple identities is deemed necessary if the real self is to be protected from the specter of corporate dataveillance (Clarke, 1991). In other words, the consumer creates a multiplication of consumer identities as a form of camouflage against the strategy of surveillance of the proprietary powers. Therefore, he or she is able to experience identity multiplication as an act of control, power, and sovereignty.

The Database and the Digital Construction of the Customer

On the surface enacting IETs to counter corporate control and surveillance strategies may seem like useful consumer maneuvers for identity protection and management. The rationale is that if digital representation of the consumer is determined by the amount and accuracy of the customer information collected, all a consumer needs to do is control the information flow to the company. Hence, the common sense theory of identity management conjures up a rational and autonomous consumer who reclaims – through tactics and ruses – some power and control in a place otherwise dominated by “strategic enemy forces.”

Implicit in the conceptualization of all of these tactics is the assumption *that the consumer self is ontologically distinct from its representation in the electronic marketplace*. Yet, from a poststructuralist perspective, the subject cannot be conceived in this way. Because

the consumer is constituted by language and the language governing the electronic marketplace is constituted by databases, the consumer (as a meaningful cultural representation, not as a body) does not exist outside this constitutive field of discursive power (see Apte, Liu, Pednault, & Smyth, 2002; Berry & Linoff, 2000; Brachman, Khabaza, Kloesgen, Piatetsky-Shapiro, & Simoudis, 1996; Drozdenko & Drake, 2002). Hence, the consumer's digital identity *is* his or her real identity because marketing is targeted toward the consumer profile rather than the real person.

Database-driven marketing is increasingly taking center-stage in organizations' corporate strategies (Greenberg, 2002; Swift, 2001). The chief objective of such technologies is to obtain what is in the industry referred to as a "360-degree view" of the customer (Wyner, 2001), recalling Foucault's concept of panoptic surveillance.⁵ While there are major strategic, managerial, or practical issues associated with CRM, GIS marketing, and similar techniques, our approach is macroscopic rather than managerial. In a poststructuralist sense, these forms of database-driven marketing technologies are first and foremost a *discourse of power* that has become central in constructing consumer identities (cf. Foucault, 1977, 1978; see also, Rose, 1988, 1997). Because the subject is constituted and given cultural significance through language and databases constitute the new language of the mode of information, we have to expect that the "making" of the subject and the construction of consumer identity take on new forms as well; forms that are inseparable from the language and the logic of the database. Thus, and in order to understand quite what kind of consumer subject emerges within the discursive formation of the electronic networks of database marketing and CRM, we need to take a closer look at the language that constitutes these. We must interrogate how – if no

longer by the autonomous and rational consumer subject *even as he or she employs IETs* – the identity of the customer is actually “authored” in the mode of information.

The Database as Discourse

Because of their capabilities of storing information and creating digitally processed meaning, databases offer an electronic language that is distinct from speech and writing. Note that this is not a claim for the epistemological superiority of one form of cultural production over another. From a poststructuralist perspective, such a claim makes no sense. What is important to understand, however, is that a change in the logic of representation will produce different forms of knowledge, meaning, and practice. The system of representation that is made up of databases is no exception. Like any other language, it is bound, governed, and limited by a definite structure of grammar and syntax. In other words, the discourse of the database follows its own rules of formation in the act of constituting the individual consumer.

Databases on a basic level are made up of “data fields” containing information on individuals’ names, postal code, sex and whatever else might be obtained (Goss, 1995). Carefully combined fields constitute an individual “record” and several of those compose a list. In a digitized format, such lists are transferable, exchangeable and comparable to other lists. In addition, they can be distributed at the speed of light. Databases have grown increasingly complex and large online retailers such as Amazon are no longer satisfied with and limited to geo-demographic information. For a successful data mining initiative, the value of data is in the details (Berry & Linoff, 2000; Rud, 2001). In the Internet age, a solid customer database not only contains customer contact and purchase information but “intensive customer intelligence” – historical buying and search habits as well as real-time clickstream information – allowing for interactive predictive modeling of customer

preferences (Vriens & Grigsby, 2001). A good example is Amazon.com which has constructed a predictive customer intelligence system on their website aimed at delivering so-called “context-driven information” (Satur & Zhi-Qiang, 1996). Here, a customer’s purchase and search history is dynamically matched with his or her current online search behavior (via clickstream analyses and cookies) in order to provide interactive purchase recommendations for impulse buying. Internet has speeded up the process of traditional database marketing. In the older forms, captured personal data slowly coagulated into lists that led to direct marketing pieces arriving in the customer’s mailbox after a considerable time lapse. The data-to-direct-marketing process is now instantaneous.

Nothing, however, has changed in regard to the underlying grammar and syntax of the database. Though advanced, the database is still based on the rigidity of narrowly defined fields and categories. Each field contains a limited number of spaces for entry of numerical representations of qualitative information, a binary reduction of information that aims at structurally eliminating any ambiguity of meaning. Within the logic of the database, the online retailer undoubtedly obtains a rich representation of the customer’s buying habits and tastes, yet one that is qualitatively and dramatically different from that of the local shop owner who knows her customers chiefly through oral communication. It is this reduction of information into data and the elimination of ambiguity that make up the strength of the database. Once put in this format, customer profiles are instantaneously accessible and cross-referenced with other information such as the individual’s location, and possibly cross-referenced as well with other databases either of other retailers or any other digital collection of the individual’s records. This, then, is the world of CRM at the speed of light (Greenberg, 2002), where “*in effect these electronic lists become additional social identities as each*

individual is constituted for the computer, depending on the database in question, as a social agent” (Poster, 1995b, p. 87-88, emphasis added).

The mixing and matching of data fields and categories lead to the construction, deconstruction, and reconstruction of customer profiles according to the knowledge needs of the marketer. Importantly, most databases fail to refer back to their objects of representation (the consumers) to improve accuracy (Guernsey, 2003).⁶ Databases, thus, can and do construct a *multitude of representations* of one and the same consumer. If a consumer is captured in two distinct databases that differ in composition and content of their data fields, he or she takes on two personae, two identities in the marketplace. Both databases define him or her differently *as consumer subject* for any agency or business that has access to these databases. In fact, within the rules of the database it is no longer accurate to speak of *the* consumer. The consumer becomes a blended (or, in some cases, fractured) digital simulation whose “nature” depends on the composition of the databases.⁷ There are now as many identities per “real” consumer as there are database representations of her. The real power of CRM and database marketing is not to get as close as possible to the *real* customer but to *constitute* the “new” customer as a series of digital representations.

From a poststructuralist perspective it is therefore insufficient to speak of CRM and database marketing as technologies of *customer addressability* (Chen & Iyer, 2002). Databases are first and foremost technologies of *customer construction*. They inscribe personalities and identities onto consumers according to their discursive rules of formation, specifying the system according to which the different kinds of consumers are divided, contrasted, related, regrouped, classified, and derived from one another as objects of marketing discourse (cf. Foucault, 1972, p. 42).

The act of digitally constituting the customer is hardly innocent. Based on his representation in a respective database, he or she may be denied a credit card or car loan, inundated with what has come to be known as spam (often massive amounts of unsolicited and undesired direct email marketing messages), and exposed to inadequate product recommendations as well as offered certain product and price combinations and not others. Hence, databases become responsible for “the multiplication of the consumer, the constitution of an *additional self*, one that may be acted upon to the detriment of the ‘real’ self without the ‘real’ self ever being aware of what is happening” (Poster, 1990, pp. 97-98, italics added).

Authoring the Consumer

For poststructuralists there is a lot at stake when one form of discourse replaces another because discourses constitute cultural objects and engender action toward these objects. In other words, there is a connection between the linguistic constitution of the consumer subject and its effects on actual marketing practice. For example product recommendations on retail sites such as Amazon.com, the music site MP3.com, or the online DVD rental service Netflix.com are first and foremost driven by software-based interpretations of the consumer’s digital identity as revealed by his or her current and past purchasing patterns. When real consumers revisit sites that employ recommender systems which produce somewhat odd suggestions, they get a brief and vicarious glimpse into the nature of their other self; that digital facsimile which determines marketing action on this particular site. As Guernsey (2003) points out, “[A] discussion on a bulletin board at Salon.com this year titled ‘When Customer Profiling Goes Wrong’ described people’s befuddlement upon receiving off-the-wall recommendations from Amazon. Someone named Molly wrote that she bought “a single trashy romance novel” and is now “branded for life.”

This anecdote also stresses the limitations of consumer IETs discussed earlier. In a purchase situation, identifiability cannot be avoided and yet, the consumer identity that gets stored and used for marketing purposes may still divert from what the consumer perceives to be his or her *real* self.

Thus, while consumers *participate* in the formation and population of their own data records by committing simple consumption acts, they do not *completely control* this (in)formation, despite all identity management efforts. In fact, with online tracking, powerful recoding and filtering technologies, and the increasing selling and exchanging of customer records, the consumer is no longer able to always decide what kind of information about her is stored, categorized, manipulated, exchanged, and acted upon by whom, when, and where. Importantly, matters of identity knowledge control and management are continuously complicated by the emergence of new information technologies. Radio Frequency Identification (RFID) technologies, for example, can be used for smart tags that store and transmit information about an object's location and operational status. European clothier Benetton was among the first consumer product manufacturers to equip merchandise like pants and sweaters with RFID tags by weaving it into the traditional garment tag. While the tag does not directly store information about the person wearing the Benetton product, it nevertheless has the potential to communicate a lot about him or her. Consider a person wearing Benetton pants equipped with an RFID tag during a shopping trip in a downtown mall. Inconspicuous receivers placed in stores and public spaces could continuously communicate with the pant's smart tag, eventually painting a detailed picture about the person's shopping trajectory.⁸ Other marketing-relevant information about the consumer's wearing habits could also be captured such as whether, when, and where the pants were worn,

dry-cleaned, or taken off. Of course, the chip can be disabled and the continuous information flow from the consumer to the marketer be stopped. Our point however remains valid; increasingly, information technology negates consumer tactics of information externalization, thus seriously threatening the consumer self as the autonomous author of her own identity in the marketplace. “Unlike spoken language, the database is not only remote from any authorial presence *but is ‘authored’ by so many hands that it makes a mockery of the principle of the author as authority*” (Poster, 1995b, p. 85, emphasis added).

Recognizing how the database is formed by many hands and populated with data from many sources forces us to depart from the dominant notion of the autonomous and unified consumer subject who, by virtue of rational consumption acts and conscious speech acts, constructs his own identity in the marketplace (Firat & Venkatesh, 1995). Once we come to see the consumer in the mode of information as digitally constructed, we are in a position to reject IETs as effective identity management. Our claim rests on two pillars. First, in the electronic marketplace where marketers put together strategies based on digital consumer identities, the question as to whether these identities correspond to some real consumer “out there” is no longer philosophically relevant because the digital and the real identity are ontologically one and the same in electronic marketplaces. This collapse of the digital and the real means that accuracy and amount⁹ of personal information is no longer important for determining customer identities.¹⁰ Therefore, even if consumers use pseudonyms to protect their real identity, they actively constitute *an* identity (for example as someone who creates pseudonyms), which will become real as soon as marketing action is based on that particular identity knowledge.

Second, because customer profiles are being “authored” to a large extent in absence of the real consumer and assembled increasingly with information collected without his or her active participation (as in the RFID example), identity management through IETs promises only very minor success. Short of a complete absence of *any* information externalization, a digital identity is created and multiplied through the network of company databases, with or without the real consumer present or consciously aware. What the real consumer is left to wonder is whether his or her digital identity might become a problem (e.g., a credit history problem) or an asset (e.g., an unexpected and gratifying frequent flyer upgrade).

In sum, the introduction and proliferation of database marketing constitutes a powerful discourse that alters the way individuals are constituted as consumer subjects in the market. We have argued that in the mode of information the constitution and multiplication of digital consumer identities occur largely in the absence of the real consumer, illustrating that direct consumer input is only of minor importance for identity formation. Therefore, focusing on IETs in the struggle for control over consumer identity construction is unproductive. Instead, by suggesting that knowledge is a function of linguistic power and linguistic power in the mode of information resides with database technologies, we propose that a struggle for consumer identity needs to be fought at the level of the database. Indeed, we argue that consumer must be given direct access to customer databases in order to ensure that he or she regains a viable voice in the act of his or her constitution as customer.

Accessing the Database = Controlling Customer Identities

Recommender systems best illustrate how the constitution of consumer identities takes place outside the inner consciousness of the consumer. From the beginning, developers of such systems envisioned software solutions to master the creation of perfect consumer copies.

The theory was that as more customer data become available, the recommender software could be adjusted and optimized to get closer and closer to capturing the true inner self of the consumer. To put it in poststructuralist terms, recommender systems provide the rules within which the language of the database makes utterances and thereby constitutes the consumer as an object of marketing knowledge. It turns out, however, that consumer identities created by the rules of this language consistently fail to make sense to the original (Guernsey, 2003). In addition, consumers who are exposed to the reality of additional consumer selves in the digital marketplace usually find themselves incapable of intervening in the composition of their digital alter egos. Structurally, the artificial “intelligence” of online recommender systems does not require direct consumer input to produce actionable and ontologically valid consumer identities.

This is why, in the mode of information, ontological distinctions between a “real” consumer and his or her representation in the database become tenuous. Contrary to modern theories of knowledge, poststructuralism posits that knowing the customer is not a question of having a well-authenticated customer profile. *Any* consumer profile will do because within the rules of the language, this profile makes up the consumer. Thus, the relationship between knowledge and power has been reversed. Because knowledge is a function of linguistic power, customer knowledge originates from the discursive power of the database.

The poststructuralist invalidation of an ontological distinction between representation (customer profile) and object of representation (customer) clashes with the possibility of consumer tactics of resistance because these tactics presuppose exactly this ontological split. In other words, if we accept that there is no essential difference between the real consumer self and the consumer self constituted by the discourse of the database *regardless of the*

accuracy and amount of information used to constitute him or her as a subject, any concern about information externalization becomes pointless. Consumer tactics of resistance based on limiting or forging one's representation (via IETs) in the marketspace will fail. Immediate access to the database on the other hand would allow the consumer to act directly on the linguistic composition of his or her identity. Therefore, this is the only real alternative to the power of identity construction that consumers possess in the physical marketplace via speech and action.

The thought of providing consumers with such access rights may seem frightening to many organizations. Yet, a look at Amazon.com's recommendation system illuminates that giving consumers the power to constitute and manage their own identities can produce a win-win scenario. As a pure-play Internet retailer, Amazon.com's biggest asset is its customer database. This massive data structure forms the basis for the company to construct a reality about its customers and their identities. Constructing a reality that reflects accurately the preferences, dispositions, and personalities of its virtual shoppers is difficult in an environment where consumer identity is no longer tied to the consumer body. Secondary data sources such as IP address, click streams, and stored cookies are problematic identifiers because of the possibility of multiple consumers using the same computer to shop at Amazon.com. As a result, a consumer identity could be constructed in Amazon.com's database that encompasses multiple actual consumers; impossible in the physical marketplace where a person's identity is necessarily tied to his or her body. Therefore, in an attempt to constitute one digital identity per actual shopper, the website asks the visitor to sign in.

While not very effective in matching the digital identity with the one in the real world, within our discussion of consumer identity construction the seemingly trivial request for

authentication gains new significance because it marks the first, albeit minor direct link between the customer and Amazon.com's customer database. Yet, we refer to the sign-in process as a "weak link" because the customer is not given the ability to effectively alter the content of the database.

Continuously at the leading edge of database marketing, Amazon.com has come to understand that constituting valuable and strategically superior digital consumer identities cannot be accomplished without customers' direct access to its databases. To our knowledge, Amazon.com was the first major online retailer that grasped the potential of referring its customer database back to its "original", the customer. After recognizing return customers via sign-in and cookies, Amazon.com offers them dozens of product recommendations. After each recommendation, a hyperlink "Why was I recommended this?" is offered. Clicking on this hyperlink offers a glimpse into the section of the Amazon database that stores previous correlated purchases of the customer. The customer then has options of clicking on "Not Interested" in that specific recommendation, or to intensify or dilute the recommendation algorithm by tweaking the intensity of preference for the previously purchased correlated items on a 5-point scale. In effect, Amazon.com lets consumers take control of the constitution of their customer identity by allowing them to *access and alter the code and content of the database*. In short, Amazon.com has created a "strong link" between the customer and its database. Consistent with our argument that controlling the language that inscribes identities in the mode of information is the only effective form of identity management in the digital marketplace, we propose that Amazon.com's move to open up its databases is a much more promising avenue for ensuring consumer self-determination, sovereignty, and power than any of the IETs presented earlier.

That increase in consumers' power to take control over their identities goes hand in hand with companies' desire to improve their customer relationships and knowledge can be inferred from recent developments in the field of artificial intelligence. Several companies like Netflix.com and TiVo, the digital television recorder, already have adopted the Amazon model of opening up their databases to direct intervention by its customers. In addition, recommendation systems software developers like digiMine and TripleHop Technologies have recognized that technological solutions by themselves may not be smart enough, and that bringing in the "human mind" (Guernsey, 2003) may be necessary if digital consumer identities are to be constructed so that real consumers feel accurately represented in the electronic marketplace.

Conclusions

In electronically-mediated marketplaces, consumer autonomy and sovereignty cannot be (re)claimed by a vision of consumer agency that presupposes the existence of a consumer subject that stands outside the mediation of language. Consumers always already participate in their own self-constitution as subjects of database marketing, CRM, and GIS marketing, even as they engage in tactics of identity management. From a poststructuralist perspective, the possibility of identity management is therefore tied to the control of the source of language (the database) and not, as suggested by privacy advocates and libertarians of the information age, by controlling the externalization of personal information. IETs offer no more than a *perception* of consumer sovereignty and autonomy.

On a theoretical level, our argument is a critique of the prioritization of action over language in marketing and consumer research (see also, O'Shaughnessy & Holbrook, 1988). From a poststructuralist perspective, we analyzed database-driven marketing technologies as a

form of linguistic power through which the consumer subject is first discursively constituted as a cultural object and then acted upon as a target for marketing practice. According to our view, the power to constitute consumer identity is tied to linguistic power and in the mode of information, that power is located within the database. This is the crux of the digital revolution. The owner of database technologies “authors” consumer identities. Therefore, only by giving consumers access to the growing number of customer databases will they be able to claim the ability to (co)author their own identity (Poster, 1995b).

Clearly, de Certeau-type consumer tactics are ineffective in the mode of information. Following Poster, the only way to reclaim a sense of agency, autonomy, and sovereignty in the electronically-mediated marketplace is to heed Jean-Francois Lyotard’s (1984) advice at the end of *The Postmodern Condition*: “give the public free access to the memory and data banks” (cited in Poster, 1990a, p. 126). Amazon.com already has opened up its databases to the authorship of the consumer. What at first seems like a threatening proposition emerges as a powerful strategy to develop relevant and well-targeted permission marketing efforts. Allowing consumers to reclaim control over their own identities might just deliver the comparative advantage needed to win out in the hyper-competitive and fast-moving marketplaces of the 21st century.

References

- Apte, C., Liu, B., Pednault, E., & Smyth, P. (2002). Business Applications of Data Mining. *Communications of the ACM*, 45(8), 49-53.
- Bennett, C. J. (1996). The public surveillance of personal data: A cross-national analysis. In D. Lyon & E. Zureik (Eds.), *Computers, Surveillance, and Privacy* (pp. 237-259). Minneapolis: University of Minnesota Press.
- Berry, M. J. A., & Linoff, G. (2000). *Mastering data mining: The art and science of customer relationship management*. New York: Wiley.
- Bogard, W. (1996). *The simulation of surveillance: Hypercontrol in telematic societies*. Cambridge and New York: Cambridge University Press.

- Brachman, R. J., Khabaza, T., Kloesgen, W., Piatetsky-Shapiro, G., & Simoudis, E. (1996). Mining Business Databases. *Communications of the ACM*, 39(11), 42-48.
- Chen, Y., & Iyer, G. (2002). Consumer addressability and customized pricing. *Marketing Science*, 21(2), 197-208.
- Clarke, R. (1991). Information Technology and Dataveillance. In C. Dunlop & R. Kling (Eds.), *Computerization and Controversy: Value Conflict and Social Choice*. Boston: Academic Press.
- Clarke, R. (1994). The Digital Persona and its Application to Data Surveillance. *The Information Society*, 10(2), 77-92.
- De Certeau, M. (1984). *The Practice of Everyday Life*. Berkeley, CA: University of California Press.
- Deighton, J. (2003). Market Solutions to Privacy Problems? In C. Nicoll & J. E. J. Prins & M. J. M. van Dellen (Eds.), *Digital Anonymity and the Law: Tensions and Dimensions*. The Hague: The Netherlands: TMC Asser Press.
- Dholakia, N., & Zwick, D. (2001a). Contrasting European and American Approaches to Privacy in Electronic Markets: A Philosophical Perspective. *Electronic Markets*, 11(4), 116-120.
- Dholakia, N., & Zwick, D. (2001b). Privacy and Consumer Agency in the Information Age: Between Prying Profilers and Preening Webcams. *Journal of Research for Consumers*, 1(1), www.jrconsumers.com (Article 3).
- Drozdenko, R. G., & Drake, P. D. (2002). *Optimal database marketing: Strategy, development, and data mining*. Thousand Oaks, Ca.: Sage.
- Fayyad, U., & Uthurusamy, R. (2002). Evolving data mining into solutions for insights. *Communications of the ACM*, 45(8), 28-31.
- Firat, F. A., & Venkatesh, A. (1993). Postmodernity: The Age of Marketing. *International Journal of Research in Marketing*, 10(3), 227-249.
- Firat, F. A., & Venkatesh, A. (1995). Liberatory Postmodernism and the Reenchantment of Consumption. *Journal of Consumer Research*, 22(Dec.), 239-267.
- Foucault, M. (1972). *The Archaeology of Knowledge: A Discourse on Language* (A. M. S. Smith, Trans.). New York: Pantheon Books.
- Foucault, M. (1973). *The order of things: An archaeology of the human sciences*. New York: Vintage Books.
- Foucault, M. (1977). *Discipline and Punish: The birth of the prison* (A. Sheridan, Trans.). New York: Vintage Books.
- Foucault, M. (1978). *The History of Sexuality* (A. Hurley, Trans.). New York: Pantheon Books.
- Goodhue, D. L., Wixom, B. H., & Watson, H. J. (2002). Realizing Business Benefits Through CRM: Hitting the right target in the right way. *MIS Quarterly Executive*, 1(2), 79-94.
- Goss, J. (1995). We Know Who You Are and We Know Where You Live: The Instrumental Rationality of Geodemographic Systems. *Economic Geography*, 71(2), 171-198.
- Grayson, K. (1995). The Dangers and Opportunities of Playful Consumption. In M. B. Holbrook (Ed.), *Consumer Value* (pp. 105-125). London and New York: Routledge.
- Greenberg, P. (2002). *CRM at the speed of light: Capturing and keeping customers in Internet real time* (2nd ed.). Berkeley and London: McGraw-Hill.
- Guernsey, L. (2003, May 1). Making Intelligence a Bit Less Artificial. *New York Times*, <http://www.nytimes.com/2003/2005/2001/technology/circuits/2001reco.html?e>

x=1052820955&ei=1052820951&en=b1052821854e1052820914be1052820945f105282094 [accessed May 1052820958, 1052822003].

- Hoffman, D. L., & Novak, T. P. (1996). Marketing in Hypermedia Computer-Mediated Environments: Conceptual Foundations. *Journal of Marketing*(July), 50-68.
- Hoffman, D. L., Novak, T. P., & Peralta, M. A. (1999). Information Privacy in the Marketspace: Implications for the Commercial Uses of Anonymity on the Web. *The Information Society*, 15(2), 129-139.
- Holt, D. B. (1995). How Consumers Consume: A Typology of Consumption Practices. *Journal of Consumer Research*, 22(June), 1-16.
- Holt, D. B. (1997). Poststructuralist Lifestyle Analysis: Conceptualizing the Social Patterning of Consumption in Postmodernity. *Journal of Consumer Research*, 23(March), 326-350.
- Huizinga, J. (1950). *Homo Ludens: A Study of the Play Element in Culture*. New York: Roy Publishers.
- Johnston, M. (2000, April 26). Privacy Debate: Is Orwell Online? Congressional staff hears Junkbusters, DoubleClick execs voice different approaches to preserving privacy. PCWorld.com. Available: (<http://www.pcworld.com/resource/printable/article.asp?aid=16503>) [2000, Nov. 2].
- Kelly, K. (1998). *New Rules for the New Economy: 10 Radical Strategies for a Connected World*. New York: Viking.
- Kozinets, R. V. (2002). Can Consumers Escape the Market? Emancipatory Illuminations from Burning Man. *Journal of Consumer Research*, 29(1), 20-38.
- Levy, P. (1998). *Becoming Virtual: Reality in the Digital Age*. New York and London: Plenum Trade.
- Liebowitz, S. J. (2002). *Re-thinking the network economy: The true forces that drive the digital marketplace*. New York: Amacom.
- Lien, M. E. (1997). *Marketing and modernity*. Oxford and New York: Berg.
- Locke, C. (2000). Personalization and Privacy: The Race Is On. personalization.com. Available: <http://www.personalization.com/soapbox/> [2000, Nov. 3].
- Lunefeld, P. (1999). *The Digital Dialectic*. Cambridge, MA: MIT Press.
- Lyotard, J.-F. (1984). *The postmodern condition: A report on knowledge* (G. Bennington & B. Massumi, Trans. Vol. 10). Minneapolis: University of Minnesota Press.
- Marx, G. T. (1999). What's in a Name? Some Reflections on the Sociology of Anonymity. *The Information Society*, 15, 99-112.
- Negroponte, N. (1995). *Being Digital*. New York: Knopf.
- Nowak, G. J., & Phelps, J. (1997). Direct Marketing and the use of individual-level consumer information: Determining how and when "privacy" matters. *Journal of Direct Marketing*, 11(4), 94-108.
- Ong, W. J. (1982). *Orality and Literacy: The Technologizing of the Word*. London and New York: Methuen.
- O'Shaughnessy, J., & Holbrook, M. B. (1988). Understanding Consumer Behavior: The Linguistic Turn in Marketing Research. *Journal of Market Research Society*, 30(2), 197-223.
- Plant, S. (1997). *Zeros + Ones: Digital Women + The New Technoculture* (1st ed.). New York: Doubleday.
- Poster, M. (1990a). Foucault and databases. *Discourse*, 12(2), 110-127.

- Poster, M. (1990b). *The Mode of Information*. Chicago: The University of Chicago Press.
- Poster, M. (1995a). Databases as Discourse, or Electronic Interpellations. In P. Heelas & S. Lash & P. Morris (Eds.), *Detraditionalization* (pp. 277-293). Oxford: Blackwell.
- Poster, M. (1995b). *The Second Media Age*. Cambridge: Polity Press.
- Rayport, J. F., & Sviokla, J. J. (1994). Managing in the Marketspace. *Harvard Business Review*, 72(6), 141-150.
- Rayport, J. F., & Sviokla, J. J. (1995). Exploiting the Virtual Value Chain. *Harvard Business Review*, 73(6), 75-99.
- Rose, N. (1988). Calculable minds and manageable individuals. *History of the Human Sciences*, 1(2), 179-200.
- Rose, N. (1997). *Inventing Ourselves: Psychology, Power, and Personhood*. Cambridge: Cambridge University Press.
- Rud, O. (2001). *Data mining cookbook: Modeling data for marketing, risk and customer relationship management*. New York: Wiley.
- Satur, R., & Zhi-Qiang, L. (1996). A context-driven intelligent database processing system using object-oriented fuzzy cognitive maps. *International Journal of Intelligent Systems*, 11, 671-689.
- Sawhney, M. S., & Zabin, J. (2001). *The Seven Steps to Nirvana*. New York: McGraw-Hill.
- Shapiro, C., & Varian, H. R. (1999). *Information Rules: A Strategic Guide to the Network Economy*. Boston, Mass.: Harvard Business School Press.
- Swift, R. S. (2001). *Accelerating Customer Relationships: Using CRM and relationship technologies*. Upper Saddle River, NJ: Prentice Hall.
- Thompson, C. J., Arnould, E. J., & Stern, B. B. (1997). Exploring the Differance. In S. Brown & D. Turley (Eds.), *Consumer Research: Postcards From the Edge* (pp. 150-189). London: Routledge.
- Thompson, C. J., & Hirschman, C. E. (1995). Understanding the Socialized Body: A Poststructuralist Analysis of Consumers' Self-Conceptions, Body Image, and Self-Care Practices. *Journal of Consumer Research*, 22, 139-153.
- Turkle, S. (1995). *Life on the Screen*. New York, NY: Touchstone.
- Virilio, P. (1989). *War and cinema: The logistics of perception*. London and New York: Verso.
- Vriens, M., & Grigsby, M. (2001). Building profitable online customer-brand relationships. *Marketing Management*, 10(4), 34-39.
- Wind, Y., Mahajan, V., & Gunther, R. E. (2002). *Convergence Marketing: Strategies for Reaching the New Hybrid Consumer*. Harlow: Financial Times Prentice Hall.
- Wyner, G. A. (2001). When 360 degrees is not enough. *Marketing Management*, Jul/Aug(10), 2.

Endnotes

-
- ¹ Because today database-driven electronic networks enable CRM (Goodhue, Wixom, & Watson, 2002), CRM and electronic CRM (eCRM) are effectively one and the same thing. We will use these terms interchangeably.
- ² GIS stands for Geographic Information Systems. Marketers use GIS to map consumer lifestyle data onto geographic regions. The best-known application of GIS marketing is the Prizm classification system (Goss, 1995).

3 Collaborative filtering is a technique that based on a consumer's purchasing or search history matches a
consumer to a group of others who have purchased or recommended similar products. The technique
then analyzes the group's data to predict what else the consumer might like.

4 De Certeau understands everyday practices as "the ways in which users operate," or "ways of
operating," or doing things (p. 474).

5 We will return to the concept of surveillance at a later stage.

6 As we will discuss later, Amazon.com is a noteworthy exception.

7 Even in the case of the Amazon.com, wherein a limited form of control of the database is offered to the
customer, the database creates bizarre product recommendations when a family computer is used to
order items. The database representations of diverse family members – the dog lover, the postmodern
critical thinker, the hip-hop music fan, and the romance novel reader – get associated with the same
"cookie", leading to a hodgepodge of inconsistent recommendations.

8 In essence, RFID technology imitates offline the kind of digital consumer tracing possible online and by
doing so renders concepts like offline and online obsolete.

9 When there is absolutely no customer data, in the Information Age, the customer has no identity. In
poststructuralist terms, this customer does not exist.

10 We of course acknowledge that the accuracy and amount of customer information is of *managerial*
importance because, presumably, more detailed customer profiles will improve the effectiveness of
direct marketing efforts (Fayyad & Uthurusamy, 2002). But here we are concerned with the
prerequisites for the production of a digital consumer identity and according to the intellectual tradition
of poststructuralism, all that is needed to constitute a digital consumer identity is the power to do so,
i.e., a database profile and the analytical language of the software.