THE DEVELOPMENT OF DATABASE MARKETING: DOES CONSUMER INFORMATION PRIVACY MATTER?

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THE DEVELOPMENT OF DATABASE MARKETING: DOES CONSUMER INFORMATION PRIVACY MATTER?*

Review

Abstract

Consumer concerns for information privacy (CFIP) have become an important strategic issue for companies. In order to be successful companies develop consumer databases and use consumer information to develop customized products and services, and target potential consumers more effectively. However, the intensity and the volume of direct marketing communications, and the potential misuse of consumer personal data contribute to an increase in CFIP. As a result, consumers might protect their privacy, which may inhibit the growth of database marketing, direct marketing and e-commerce as well. The purpose of this paper is to examine and present the antecedents and consequences of CFIP in the context of database marketing. This paper introduces a theoretical model that examines the impacts of consumer attitudes towards database marketing on CFIP, and the effects of CFIP on willingness to provide information, purchase intentions and consumer purchases. The model posits that perceived ability to control information might alleviate the effects of unfavourable consumer attitudes towards database marketing on CFIP, while perceived usefulness of IT might reduce negative effects of CFIP on willingness to provide information, purchase intentions and actual purchases. Managerial implications are discussed in the paper.

Keywords: database marketing, consumer information privacy concerns, consumer attitudes, willingness to provide personal information, consumer purchases

JEL classification: M30

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1. INTRODUCTION

The intelligent use of data has become a competitive advantage of a company, while the loss of customer data is one of the biggest risks to a modern business (Beveridge, Cook and Stubbings, 2015). Companies seek to improve their
targeting ability, which increases the demand for consumer information. Modern information technology (IT) has enabled marketers to develop consumer databases with increasing amounts of information about their customers, identify likely customers of goods and services, create consumer profiles, identify potential targets and communicate with consumers through direct marketing channels more effectively. However, the intensity and the volume of direct marketing communications, the way of gathering, manipulation, and the potential misuse of consumer personal data increase consumer concerns for their information privacy (CFIP) (Schoenbachler and Gordon, 2002). In fact, today consumers have little or no control over their information (Asay, 2013). As a result of privacy concerns, consumers may wish to protect their information privacy and require more control over information. As a consequence they might restrict company’s efforts to introduce new innovative ways to collect data and develop databases, which may in turn reduce consumer purchases of goods and services through direct marketing (Thomas and Maurer, 1997). Therefore, privacy dilemma still catches the attention of researchers, scholars and marketers (Beveridge, Cook and Stubbings, 2015; Osatuyi, 2015).

Previous studies have examined CFIP from different perspectives, and various concepts have been provided. CFIP is related to collection, use and control of consumer personal data, and deals with the rights of those individuals whose information is shared (Goodwin, 1991; Campbell, 1997; Milne and Bahl, 2010), and arises whenever users suspect that their personal information rights have been violated (Wang, Lee and Wang, 1998). Although previous studies have identified various antecedents and consequences of CFIP, no consensus has been reached. Existing concepts, definitions and relationships are inconsistent and neither fully developed, nor empirically validated (Xu, Dinev, Smith and Hart, 2011).

The purpose of this paper is to gain deeper insights into CFIP in the context of database marketing. The paper provides a thorough literature review related to CFIP, its antecedents and consequences, and proposes an integrative model of privacy issues and their moderating variables as a foundation for further research. First part of proposed model explores the link between consumer attitudes towards database marketing and CFIP, taking perceived ability to control information as a moderating variable. The second part of the model examines the relationships among CFIP, willingness to provide information (WPI), purchase intentions and consumer purchases, taking perceived usefulness of IT as a moderating variable.

This paper builds on previous studies involving CFIP in relation to database marketing (Culnan 1993; Nowak and Phelps 1992; 1995; Patterson, O’Malley and Evans, 1997; Milne and Boza, 1999; Milne and Rohm 2000; Phelps, D’Souza and Nowak, 2001). The study attempts to integrate research in consumer information
privacy area and develop a comprehensive view about its antecedents and consequence factors. Proposed model examines whether the level of perceived ability to control information affects the impact of consumer attitudes towards database on CFiP. Few studies verified the link between perceived ability to control the information and CFiP. Past research has examined only the direct effects, but it failed to examine moderating effects.

Further contribution of this model is the examination of the impacts of CFiP on WPI, purchase intentions and actual purchases, taking perceived usefulness of IT as a moderator variable. Past research examined separately the impacts of privacy concerns on purchase intentions and consumer purchases, but not in the same model. Although privacy concerns are seen as a challenge for Internet technology and services acceptance, the role of CFiP in the acceptance of new information technology for database marketing purposes is not clear (Van Ittersum et al., 2006; Lallmahamood, 2007). Although past research examined privacy as external variables and antecedent to perceived usefulness of IT, perceived ease of use and intention to use new technology (Lallmahamood, 2007), it failed to examine moderating effects.

Several managerial implications might be derived from this study. The results might be interesting for companies that rely on consumer databases in their marketing activities. The paper helps identify situations when CFiP matters and proposes suggestions for productive strategies and tactics for alleviating consumer concerns related to the use of individual-level consumer information.

The paper is organized in the following manner. The second section presents the literature dealing with database marketing and CFiP, its antecedents and consequences. In the third section the conceptual model is presented, while the fourth section contains a conclusion of results, managerial implications and directions for future research.

2. LITERATURE REVIEW

Database marketing is a form of direct and relationship marketing. It is a systematic approach to gathering, consolidation and processing of consumer data that is maintained in a company’s databases that is used to customize goods and services to better suit the preferences of particular individuals and generate personalized communications (O’Malley et al., 1997; Hui and Png, 2006). Targeted advertising may reduce the cost of communication and marketing expenses (Hui and Png, 2006). Companies may also sell personal information for extra revenues (Hui and Png, 2006), which is the most controversial issue causing consumer privacy concerns. Consumer databases may include a variety of data, including
demographic information, psychographic characteristics, data associated with credit card account, telephone or Internet browser, and history of purchases (Shaver, 1996; Milne, Gabisch, Markos and Phelps, 2012). A variety of methods may be used to gather consumer information, for example scanner data, flyer programs, subscriptions, purchase orders, financial transactions, coupons, trial and free offers, census, telephone directories, media surveys (Nowak and Phelps, 1995). Database marketing has been successful in industries that have the ability to generate significant amounts of transaction data for large numbers of customers, especially in financial services, telecommunications, and retailing industry.

The volume and the way of gathering, manipulation, and the sale of consumer personal information are increasing people’s privacy concerns (Campbell 1997; Milne and Boza, 1999; Phelps, Nowak and Ferrell, 2000; Phelps, D’Souza and Nowak, 2001; Nam et al., 2006). Previous studies have provided various definitions, constructs and items of CFIP (Patterson, O’Malley and Evans, 1997). Westin (1967, p. 10) defines information privacy as “the claim of individuals, groups or institutions to determine for themselves when, how, and to what extent information about them is communicated to others.” CFIP deals with the rights of those people whose information is shared, and arises whenever users suspect that their personal information rights have been violated (Wang et al., 1998).

Smith, Milberg and Burke (1996) developed a 15-item scale that measures CFIP on four dimensions: improper access to personal information, collection of personal information, errors in personal information, and unauthorized secondary use of personal information. The scale has received empirical validation in several contexts (Milberg, Smith and Burke 2000; Stewart and Segars, 2002; Okazaki, Li and Hirose, 2009). Furthermore, Malhotra, Kim and Agarwal (2004) used the construct with dimensions control over personal information, awareness of privacy practices and data collection, while Dinev and Hart (2004) used two dimensions: abuse of personal information and information finding.

With the spread of Internet, much attention has been paid to online information privacy, which is defined as consumer concerns about what data is being collected by an online vendor about the customer and how it will be used (Li and Zhang, 2009; Morimoto and Macias, 2009). Past research has examined the situations in which CFIP matters, and various antecedents and consequences related to database marketing were identified (see Table 1).
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<th>MAJOR FINDINGS/SOURCES</th>
<th>1. ANTECEDENTS</th>
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<td></td>
<td>Demographic variables</td>
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<td></td>
<td>- Females are more concerned about privacy than men (Sheehan, 1999; Graeff and Harmon, 2002; Grubs Hoy and Milne, 2010).</td>
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<td>- There are no gender differences (The Lares Institute, 2011; Milne and Boza, 1999; Zukowski and Brown, 2007; Zhang, Chen and Lee, 2013).</td>
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<td>- Younger and higher income consumers are less concerned about privacy (Milne et al., 1996; Milne and Boza, 1999; Milne and Rohm, 2000; 2004; Graeff and Harmon, 2002; Zukowski and Brown, 2007; Graeff and Harmon, 2002; Zhang et al., 2013).</td>
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<td></td>
<td>- Education is positively correlated with CFIP (Zhang et al. 2013)</td>
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<td>Individual’s knowledge of corporate policies and practices</td>
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<td>- Knowledge accumulated is negatively related to CFIP (Li, 2011).</td>
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<td>Information sensitivity</td>
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<td>- Information sensitivity does not have a significant impact on privacy concerns (Yang and Wang, 2009).</td>
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<td>Company related factors</td>
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<td>- Positive consumer perceptions are negatively related to privacy concerns (Kiryanova Bernard and Makienko, 2011).</td>
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<td>- Perceived convenience has negative impact on privacy concerns (Nam et al., 2006).</td>
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<td>- Reputation has no impact on privacy concerns (Nam et al., 2006).</td>
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<td>- Website informativeness has a negative impact on CFIP (Pavlou, Liang and Xue, 2007).</td>
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<td>Perceived ability to control information</td>
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<td>- Perceived ability to control the data is negatively related to CFIP (Milne and Boza, 1999; Bandyopadhyay, 2011).</td>
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<td>Third-party privacy certification (TPSA)</td>
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<td></td>
<td>- TPSA is negatively related to privacy concerns (Nam et al., 2006).</td>
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<td>Attitudes towards direct marketing (ATDM) and relationship marketing (ATRM)</td>
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<td>- ATDM are negatively related to privacy concerns (Phelps, Nowak and Ferrell, 2000; Phelps, D’Souza and Nowak, 2001).</td>
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<td>- ATRM is significantly and negatively related to CFIP (Phelps, D’Souza and Nowak, 2001).</td>
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<td>- ATRM is not significantly related to CFIP (Milne and Boza, 1999).</td>
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<td>Previous personal experience</td>
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<td></td>
<td>- Previous experience with information misuse is positively related to privacy concerns (Smith, Milberg and Burke, 1996; Okazaki, Li and Hirose, 2009).</td>
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<td>2. CONSEQUENCES</td>
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<td>Willingness to provide personal information</td>
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<td></td>
<td>- Privacy concerns are negatively related to WPI (Nam et al., 2006; Phelps, D’Souza and Nowak, 2001).</td>
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<td>Privacy-related behavior</td>
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<td>- Privacy concerns are positively related to intention to protect information privacy (Rose, 2006; Li, 2011).</td>
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<td>- Privacy concerns affect consumer intention to fabricate, protect and withhold information (Lwin, Wirtz and Williams, 2007).</td>
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<td>- Privacy concerns are negatively related to purchase behavior (Phelps, D’Souza and Nowak, 2001).</td>
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<td>- Privacy concerns are positively related to consumer preferences for higher level of regulatory control (Okazaki, Li and Hirose, 2009).</td>
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Source: Past research.
The most important variables that affect consumer perceptions of various forms of database marketing are consumer characteristics, knowledge of corporate policies and practices, relevance and sensitivity of information, reputation of a company and perceived ability to control information (Patterson, O’Malley and Evans, 1997). Demographic variables have been the most frequently analyzed antecedents of privacy concerns. In general, more concerns about their privacy were shown to express females, older, lower-income, and higher-educated consumers (Milne et al., 1996; Milne and Boza, 1999; Sheehan, 1999; Milne and Rohm, 2000; Graeff and Harmon, 2002; Grubbs Hoy and Milne, 2010; Zukowski and Brown, 2007; Zhang et al., 2013).

Consumers’ knowledge of actual corporate policies and practices may affect CFIP. There are two opposing arguments about this effect. On one hand, the more knowledge individuals have about the collection and use of personal information, the more concerned they may be about information privacy practices. On the other hand, if consumers understand that the data collected has the potential to build a relationship in which they could participate in the creation of goods or services, privacy concerns might be diminished by their desire to participate (Campbell, 1997).

Another issue related to CFIP is the sensitivity of the information requested by the marketers. Malhotra et al. (2004) found that a request for more sensitive information in an e-commerce setting reduces trust and increases perceived risk, because the request makes consumers more cautious and suspicious about a marketer (Okazaki, Li and Hirose, 2009). Numerous research indicates that consumers are most willing to provide marketers with demographic and lifestyle information, while they are the least willing to provide financial information and personal identifiers, like annual household income, credit card information and social security number (Phelps, Nowak and Ferrell, 2000). Most consumers are concerned about the ways companies use personal information. Potential privacy threats might include misclassification, inappropriate advertising, loss of “the right to be alone”, and public disclosure of embarrassing private facts (Nowak and Phelps, 1995). Privacy especially matters in situations when consumer is unaware that information is being collected and used; when consumer supplies the information for one purpose and the information is used for other purposes without the consumer’s knowledge or consent; and when third party supplies personal information without the consumer’s knowledge or consent to the data transfer and ultimate uses of that data (Nowak and Phelps, 1995).

Previous studies have also examined the attitudes of respondents regarding their general experience or their experience with specific website (Li, 2011). Firm reputation can contribute to greater trust and perception of a customer-company
relationship (Schoenbachler and Gordon, 2002). Consumers may be more accep-
ting of potential privacy infringements when they are conducted by certain kinds 
of companies, such as those with whom consumers are already familiar, or who 
supply products that appear to be potentially useful (Wang and Petrison, 1993). 
Positive consumers’ perceptions of the e-tailer privacy policy were shown to have 
a negative influence on their privacy concerns (Kiryanova and Makienko, 2011). 
In general, consumer attitudes towards privacy depend on how direct marketing 
activities are presented. When the advantages for consumers are well described, 
privacy concerns decreases (Wang and Petrison, 1993). If marketers promise con-
sumers to receive, as part of the information exchange, some benefits, such as 
savings or greater selections of products and services, consumers might be more 
willling to provide information, and consequently they will be less concerned abo-
ut their privacy (Phelps, Nowak and Ferrell, 2000). Previous negative experience 
increases consumer and privacy concerns (Okazaki, Li and Hirose, 2009).

Past research shows that consumer attitudes towards direct marketing and rela-
tionship marketing might affect consumer privacy concerns. Consumers’ atti-
dudes towards direct marketing include consumer perceptions of direct marketing 
activities with respect to its impacts on prices, convenience, development of new 
products and services, time saving, and enjoyment in shopping. Attitudes towar-
ds relationship marketing include consumers’ perceptions of the way companies 
are informing them about new products and services, perceptions of awards for 
their loyalty, individual attention provided by a company, maintaining long term 
relationship with organizations and the purchase likelihood from those compa-
nies (Milne and Boza, 1999). Attitudes towards direct marketing were shown to 
negatively influence information privacy concerns, while no significant relation-
ship was found between privacy concerns and attitudes towards relationship 
marketing (Milne and Boza, 1999; Phelps, D’Souza and Nowak, 2001; Phelps, 
Nowak and Ferrell, 2000).

Several studies show that consumers might desire more control over information 
collection and use (Phelps, Nowak and Ferrell, 2000). Consumers tend to have 
lower privacy concerns if they perceive a certain degree of control over the collec-
tion and use of their personal information (Nowak and Phelps, 1997; Sheehan 
and Hoy, 2000). Third-party privacy certification (e.g. TRUSTe and BBB9) has 
evolved as a major self-regulatory practice to address consumers’ concerns about 
privacy during online transactions, and they might encourage consumer to disclo-
se information and engage in e-commerce, when perceived risk was high.

Past research has also examined various consequences of privacy concerns, in-
cluding WPI, purchase intentions and consumer purchases (Li, 2011). Higher le-
vel of CFIP might lead to actively protective behaviors (e.g., requesting deletion
of private information from the company’s database; rejecting providing personal information to marketers, providing incomplete information, and providing inaccurate information) or passively protective behaviors (e.g., avoiding purchasing of products and services) (Sheehan, 1999; Phelps, D’Souza and Nowak, 2001; Nam et al., 2006; Dolnicar and Jordaan, 2007; Bandyopadhyay, 2009; Li, 2011). The consumer protective behavior might be the real threat to the development of database marketing. Privacy concerns might be negatively related to purchase decision process and purchase behavior (Phelps, D’Souza and Nowak, 2001). People highly concerned about privacy were shown to exhibit lower recency, frequency and monetary value of catalog purchases (Phelps, D’Souza and Nowak, 2001). Finally, consumers’ attitudes and perception towards information privacy protection might impact its legislation and implementation.

It might be concluded that past research identified various antecedents and consequences of CFiP (Li, 2011). Much of this literature is based within a context of developed countries, while there is a paucity of research on privacy issues in relatively underdeveloped countries (Patterson, O’Malley and Evans, 1997). Past research mostly examined direct effects of various variables to CFiP, but very few studies have examined the moderating roles of privacy concerns and more efforts are needed to further investigate these effects (Li, 2011). Also, there is a room for investigation of CFiP in online setting from the perspective of the introduction of new technologies related to database marketing.

3. THE CONCEPTUAL MODEL

Figure 1 presents the proposed framework. First part of the model explores the link between consumer attitudes towards database marketing and CFiP. Model posits that this link depends on the degree of perceived ability to control information. The second part of the model examines the relationships among CFiP, WPI, consumer purchase intentions and their actual purchases, while perceived usefulness of IT is treated as moderating variable.

Figure 1: The proposed conceptual model

Source: Author.
3.1. Attitudes towards Database Marketing and CFIP: Moderating Role of Perceived Ability to Control Information

This paper proposes that perceived ability to control information moderates the link between consumer attitudes towards database marketing and CFIP. CFIP includes consumer perceptions related to improper access to personal information, collection of personal information, errors in personal information, and unauthorized secondary use of personal information (Smith, Milberg and Burke, 1996). Although past research suggests that positive consumer attitudes towards the company or its direct marketing efforts reduce CFIP, this link is not so straightforward (Milne and Boza, 1999). Milne and Boza (1999) examined how are perceived control, attitudes towards relationship marketing and attitudes towards direct marketing related to trust, concern and mail usage in direct marketing industry. The study showed that attitudes towards direct marketing act as an antecedent to CFIP, while there was some uncertainty regarding the relationship between consumers’ attitude towards direct marketing and the level of concern (Milne and Boza, 1999). In general, the more positive attitudes consumers have towards companies’ initiatives, the less CFIP is (Phelps, D’Souza and Nowak, 2001). In order to test proposed model attitudes towards database marketing should be developed as a new and separate construct from already existing measures (i.e. CFIP, attitudes towards direct and relationship marketing), and it should contain more specific items focused on database marketing procedures (i.e. identifying, gathering, consolidation and processing of relevant information about consumers).

Past research also examined the link between perceived ability to control information and CFIP, but no moderating effect was explored. Proposed model suggests that perceived ability to control information might moderate the link between consumer attitudes towards database marketing and CFIP. Perceived ability to control information measures consumers desires, perceptions and their actions in situations if company or sites offers the ability to control information, and if control policy is verified/monitored by a reputable third party (Dinev and Hart, 2004). The perceived ability to control information is a separate construct from privacy concerns. It acts as antecedent to CFIP in such a way that CFIP is likely to be reduced if the level of perceived ability to control information increases (Milne and Boza, 1999; Xu, 2007; Bandyopadhyay, 2011; Li, 2011). The perceived ability to control information would offset the risk of negative consequences. Consumers tend to think that information disclosure is less invasive to their privacy, and less likely to lead to negative consequences when they believe that they can control when and how such information is disclosed and used in the future. Control is possible through limiting self-disclosure or by determining how information disclosed will be used. Perceived ability to control information might be
Based on previous research, it is likely to expect that attitudes towards database marketing are negatively related to CFIP, while perceived ability to control information is expected to moderate the link between consumer attitudes towards database marketing and CFIP. Moderating variable perceived ability to control information might influence the effects between consumer attitudes towards database marketing and CFIP in such a way that unfavourable consumer attitudes towards database marketing may result in lower level of CFIP if perceived ability to control information is stronger than if it is weaker. That is, consumer may be less concerned about their personal information, even if consumer attitudes are lower if perceived ability to control information is higher.

3.2. CFIP and Purchasing Outcomes: Moderating Role of Perceived Usefulness of IT

In proposed model perceived usefulness of IT moderates the links between CFIP and several outcome variables (WPI, purchase intentions and consumer purchases). WPI includes consumer willingness to provide personal information to marketers (Phelps, Nowak and Ferrell, 2000; Nam et al., 2006; Okazaki, Li and Hirose, 2009). Previous studies suggest that consumers who are concerned about their online privacy will be unwilling to disclose personal information (Nam et al., 2006; Faja and Trimi, 2006; Dinev and Hart, 2006). This may result, e.g. in browsing Websites where no personal data is captured or providing only limited and anonymous, or even false personal information to Websites (Dinev and Hart, 2006) that require “registration” to use content (Bandyopadhyay, 2009). Prior research suggests that WPI is based on assessment of costs and benefits, consumer personal experience and company reputation. It can be affected by novelty or familiarity of a particular marketing technology for collecting personal information (Milne et al., 2012). Based on past research it might be proposed that CFIP should be negatively related to WPI.

Past research suggests that privacy concerns are negatively related to purchase behavior and purchase decision process. Purchase intentions include the likelihood of purchasing products from a company (Phelps, Nowak and Ferrell, 2000). Empirical evidence indicates that concerns for privacy might negatively affect purchase intentions (Phelps, Nowak and Ferrell, 2000, Phelps, D’Souza and
Nowak, 2001; Eastlick, Lotz and Warrington, 2006), the willingness to buy (Faja and Trimi, 2006), and the intention to transact (Dinev and Hart, 2006). In model proposed in this study, examined consequences also include actual purchases, as purchase intentions might not be highly correlated with actual purchases. Previous findings show that the correlation between intentions and behavior in privacy context was between 0.41 and 0.53 (O’Keefe, 2002), while the study of Norberg, Horne and Horne (2007) shows that respondents provided significantly greater amounts of personal information than they say they would. This suggests that purchase intentions and actual purchases should be analyzed separately.

Previous studies that investigated direct effect of consumer privacy concerns on consumer purchases (i.e. no. of items consumer purchased from a company) show that consumer privacy concerns are negatively related to direct marketing usage, measured as the number of times consumers purchased goods or services by mail, phone or Internet (Milne and Boza, 1999) and consumer purchases (Phelps, D’Souza and Nowak, 2001). People highly concerned about their privacy exhibited lower recency, frequency and monetary value of catalog purchases (Phelps, D’Souza and Nowak, 2001). Privacy concern is also negatively associated with Web purchase (Krohn, Luo and Hsu, 2002). Based on past research it might be proposed that CFIP should be negatively related to both purchase intentions and actual purchases.

Perceived usefulness of IT in this study is treated as a moderator between CFIP and outcome variables. Perceived usefulness of IT describes the extent to which a technology is expected to improve a potential adopter’s performance: i.e. work more quickly, better job performance, increase in productivity and effectiveness; makes job easier and useful. Technology can be defined as the practical application of knowledge or a manner of accomplishing a task. In literature the most common examined technologies are Internet and information technologies, financial, healthcare, telecommunications and library systems. Previous research shows that the perceived usefulness of a technology positively influences the acceptance of technologies (Ittersum et al., 2006), although it may not fully reflect the users’ intention to adopt new technology due to additional factors that also predict the acceptance of information technology, including trust, perceived risk, and privacy. The study of Lallmahamood (2007) shows that a customer’s perceived privacy has a positive impact on his/her intention to use and perceived usefulness of Internet banking, and perceived ease of use of Internet banking.

The proposed model in this study claims that if the level of perceived usefulness of IT is stronger, it is possible that even if CFIP is higher WPI, consumer purchase intentions and their actual purchases might be higher too. It is expected that perceived usefulness of IT moderate the link among CFIP and several outcome
variables, WPI, purchase intentions and consumer purchases. Promised benefits to consumers, in exchange for information, might stimulate consumers to provide their information and purchase products or services (Phelps, Nowak and Ferrell, 2000). Analyzed IT technology would include technologies that enable database marketing, i.e. new digital technologies that contribute to the collection, storage and trading of personal data.

4. CONCLUSION

The purpose of this research was to enhance the understanding of information privacy issues in the context of database marketing. A theoretical model with a few new relationships was proposed based on privacy theory. The proposed model posits that consumer attitudes towards database marketing negatively affect CFiP, while perceived ability to control information might alleviate the effects of unfavourable consumer attitudes on CFiP. CFiP is likely to be negatively related to WPI, purchase intentions and consumer purchases, while perceived usefulness of IT might reduce negative effects of CFiP on WPI, purchase intentions and consumer purchases.

This study provides implications for direct and database marketers. As privacy is likely to continue to be important as long as consumers do not trust marketers, marketers must address consumer privacy in a responsible manner, if they want to be successful. Main goal should be related to the reduction of CFiP and encouragement of consumers to provide personal information, so marketers can use them for direct marketing and promotion activities. Lower level of CFiP contributes to a higher level of WPI, purchase intentions and consumer purchases.

CFiP might be reduced by improving consumer attitudes towards database marketing. If marketers give consumers ability to control their information, they might reduce CFiP. Similarly, if they offer them more benefits in exchange of information, and increase usefulness of IT, consumers might be more willing to provide their personal information and purchase goods and services. Marketers should routinely inform consumers when individual-specific information is collected, let them know how the information will be used, and tell them who will have access to the data.

There is a need for future studies to address CFiP in database context. The next step should be to test the model with the data. In order to test the model new construct and items related to consumer attitudes towards database marketing should be developed. Future studies might also take into consideration various situations, and industry sectors in which privacy can pose a threat. Researchers might investigate consumer behaviour consequences of CFiP more in detail (e.g.
satisfaction, loyalty, purchases of various products), especially related to different types of information.

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Zabrinutost potrošača za privatnost informacija je važno strateško pitanje za poduzeća. Da bi bila uspješna, poduzeća razvijaju baze podataka o potrošačima i koriste te informacije da bi razvila tržištu prilagođene proizvode i usluge i da bi efikasnije targetirala potencijalne kupce. Međutim, intenzitet i obujam direktne marketinške komunikacije i mogućnost zlouporabe podataka stvaraju kod potrošača zabrinutost za privatnost njihovih informacija. Kao posljedica toga, potrošači mogu zaštititi svoju privatnost, što može ograničiti rast marketinga baza podataka, direktnog marketinga, a i elektroničke trgovine. Ovaj rad istražuje i daje prikaz čimbenika koji utječu na zabrinutost potrošača za privatnost informacija i njezine učinke u kontekstu marketinga baza podataka. U članku je predstavljen teorijski model koji istražuje učinke stavova potrošača prema marketingu baza podataka, i učinke zabrinutosti potrošača za privatnost na njihovu spremnost da daju svoje osobne informacije, njihovu namjeru kupnje i stvarnu kupnju. Model polazi od pretpostavke da kontrola nad osobnim informacijama može umanjiti utjecaj nepovoljnih stavova potrošača o marketingu baza podataka na zabrinutost potrošača nad privatnošću. Isto tako percipirana korisnost informacijske tehnologije može umanjiti negativniji utjecaj zabrinutost potrošača na njihovu spremnost da daju svoje informacije, njihovu namjeru kupnje i samu kupnju. U radu se diskutiraju implikacije ovog istraživanja za menadžere.

Ključne riječi: marketing baza podataka, zabrinutost potrošača za privatnost informacija, stavovi potrošača, spremnost potrošača da daju osobne informacije, kupnje potrošača

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