An Empirical Study of Online Shopping in Mainland China

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INTRODUCTION

The Internet has developed rapidly in China in recent years. According to a report published by the China Internet Network Information Center (CNNIC) [1] in July 2001, there were 26.5 million Internet users in China. 73.9% of these people visited Web stores and 31.9% of them had purchased products or paid for services on the Web. The growth is significant when compared to the data from July 2000, when there were only 16.9 million Internet users, 72.4% of whom had visited Web stores, and 16.2% had purchased products or paid for services on the Web. These statistics indicate an opportunity to businesses around the world to enter the Chinese electronic commerce (EC) markets. This huge potential market has already attracted the attention of big names in B2C EC such as yahoo and AOL. Chinese consumers possess cultural traits that are different from those of the westerner. According to Ackerman and Tellis [2], culture differences have an impact on online consumer’s shopping behavior. However, few previous studies on EC have taken the culture issues into consideration. Moreover, there is little research on the Chinese consumers’ intentions and attitudes to online shopping. The purpose of this research is to investigate the factors that affect the Chinese consumers intention to buy from the Internet. Specifically, this research has two main objectives. The first objective is to use current behavioral theories to elaborate a model that can identify key factors influencing intention to buy online. The second objective is to conduct an empirical study of Chinese consumers to test the validity of the proposed model. This study may also contribute to future research in the comparison of online shopping behavior between Chinese and other national cultures.

RESEARCH MODEL

Online Shopping is a voluntary individual behavior that can be explained by the theory of planned behavior (TPB) proposed by Ajzen [3]. We chose to base our research model (depicted in Figure 1) on the TPB not only because the TPB’s constructs are easy to operationalize, but also because this theory has received substantial empirical support in information systems and other domains as well. We also enriched the TPB with three new constructs: personal innovativeness, habit and perceived consequences. Hence, our research model includes all the hypothesized links of the TPB with the new links that we would like to explore in this research. The old links deal with the impact on intention of attitude, social norms and perceived behavior control. The new links represent the effects of personal innovativeness, habit and perceived consequences.

We hypothesize that personal innovativeness has both direct and indirect effects, mediated by attitude, on intention. The indirect effect implies that innovative individuals are more likely to be favorable toward online shopping, which in turn affects positively their intentions to shop on the Internet. The direct link between innovativeness and intentions, on the other hand, is meant to capture possible effects that are not completely mediated by attitude.

We also add to the TPB a construct that represents the potential effects of “perceived consequences.” This construct is borrowed from Triandis’ [6] model. According to Triandis, each act or behavior is perceived as having a possible outcome that can be either positive or negative. An individual’s choice of behavior is based on the probability that an action will provoke a specific consequence. We decided to include this construct because we are interested in identifying the specific consequences of online shopping that drive individuals to perform this behavior. We believe that perceived consequences have both direct and indirect effects on intentions of Chinese consumers, the indirect effect being mediated by attitude. An innovative individual may be favorable toward online shopping, but will not adopt it if he/ she perceives some important negative consequences. This view is consistent with the technology acceptance model [7], which posits perceived usefulness as an antecedent to both attitude and intentions. Finally, Triandis [8] argues that the extent to which a behavior becomes automatic (i.e. habit) influences both attitude and intention to perform the same behavior. We therefore hypothesize a positive relationship between habit and intention and between habit and attitude.

METHODOLOGY

We conducted a survey, which was aimed at measuring intention to shop online, attitude, innovativeness, perceived consequences, so-
RESULTS AND CONCLUSION

The purpose of this study was to investigate the factors affecting online shopping intentions of Chinese consumers. The overall results indicate that the Theory of Planned Behavior provides a good understanding of these factors. The results of our study show strong support for perceived consequences’ influence on Chinese consumers’ intentions of online shopping. Facilitating condition also has significant effects on the intentions. The finding also shows a significant influence of habit on attitude. Moreover, innovativeness was found to have both direct and indirect effects on intentions of online shopping. Nevertheless, we did not find support to social factors and attitude’ effects on Chinese consumers’ intentions of online shopping. Further research should add more antecedent factors to test their influence. In addition, future research should measure the actual online shopping behaviors of Chinese consumers and assess the number of purchases as well as the number of products bought over time.

ENDNOTES

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