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Customer Brand Engagement in Social Commerce: A Study of Sarawak

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Abstract

Due to the growth of social networking, a new business opportunity known as 'social commerce' has been created in the electronic commerce environment. This development is changing individuals' social interactions and their shopping patterns. Thus, it is important for social marketers and advertisers to understand the driver of customer brand engagement in social commerce. This study is an attempt to investigate whether attitude towards the behaviour and subjective norm have a positive effect on customer brand engagement in social commerce. The scope of the study was focussed on the clothes and accessories market in social commerce pages or groups and it was conducted in Sibu, Sarawak. The Theory of Reasoned Action was applied to capture the human behaviour of social media users connecting to the brand in social commerce. The study was conducted on quantitative basic where a survey questionnaire instrument was used for data collection. The purposive sampling method was employed to obtain accurate data from the studied samples. A total of 106 respondents were collected from social media users through a self-administered questionnaire. The Statistical Package of Social Science (SPSS) version 22 and Smart Partial Least Squares 3.0 (Smart PLS) were used as the main statistical tools. The present study implied that attitude towards the behaviour and subjective norm have a positive effect on customer brand engagement in social commerce. The findings provide valuable references for future researchers or academicians in the related social psychological fields especially in the context of social commerce. The findings also give social marketers and advertisers some ideas on what should be taken note of to gain more customers. Managerial and theoretical implications are also highlighted.

Keywords: Attitude towards Behaviour, Customer Brand Engagement, Social Commerce, Subjective Norm, Theory of Reasoned Action

Introduction

Social commerce is a business that is executed on a social platform, which often combines online and offline modes (Chen, Lu, & Wang, 2017). It promotes the sale of products and affects user buying behaviour through the established social media and social network sites (Sharma & Crossler, 2014). In social commerce, there is a great network of online peers including friends, strangers, colleagues or acquaintances who support the transactions by sharing their electronic shopping experience concerning the

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information of the products and services (Maia, Lunardi, Longaray, & Munhoz, 2018). The interactivity of social networks stimulates product promotions and encourages the willingness of customers to buy (Chen, Hsiao, & Wu, 2018). Social commerce has recently become a popular topic and some empirical studies have been conducted on the subject (Leong, Jaafar, & Ainin, 2018; Hajli, Sims, Zadeh, & Richard, 2017; Bao & Volkovynska, 2016).

Unfortunately, sellers on social media channels are faced with the problem of being customer-centred as customers hold more power (Ranjan & Read, 2014). Some companies who conduct their business in the e-commerce market are still trying to find the factors that influence the participation of customers in social commerce (Zhang, Lu, Gupta, & Zhao, 2014; Zhou, Zhang, & Zimmermann, 2013). Although some past studies on social commerce have explored the factors of consumer decisions, purchase intention and customer participation in social commerce (Chen, Hsiao, & Wu, 2018; Maia, Lunardi, Longaray, & Munhoz, 2018; Gan & Wang, 2017; Chen & Shen, 2015), limited research have been done to understand the factors that drive customers to engage with particular brands in social commerce. Based on the above discussion, the study aims to investigate the relationship between attitude towards behaviour and subjective norm on customer brand engagement in social commerce. To achieve the research objective, the researchers addressed the following research question:

RQ1: Does attitude towards behaviour has positive effect on customer brand engagement in social commerce?

RQ2: Does subjective norm has positive effect on customer brand engagement in social commerce?

Literature Review

Customer Brand Engagement

Customer brand engagement is indicated as active participation, which allows customers to outstrip consumption and makes them an indispensable collaborator for company success (Reitz, 2012; Evans, 2010). From a marketing perspective, customer brand engagement is considered as something positive, for instance feeling warm, as a high degree of positive engagement results in favourable behaviour and attitudes (Schamari & Schaefers, 2015; Gummerus, Liljander, Weman, & Pihlstrom, 2012; Brodie, Hollebeek, Juric, & Ilic, 2011). It is clear that the concept of customer brand engagement captures the customer's behaviour towards a brand or company and illustrates how customers tend to respond to particular brands in social commerce.

Attitude towards the Behaviour

Attitude towards the behaviour is referred to an individual's perception of the behaviour including beliefs, feelings, values, and tendencies to act in certain ways (Ajzen & Fishbein, 1980). It is the extent to which a person has a favourable or unfavourable appraisal or evaluation of the behaviour involved (Ajzen, 1991). In this study, attitude towards the behaviour is described as a customer's assessment of the desirability of using social media channels to engage with a particular brand.

Subjective Norm

Subjective norm is defined as social pressure that originates from other people whose opinion is important to an individual and influences his or her decision to perform certain

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behaviour (Fishbein & Ajzen, 1975). These social pressures often depend on how often individuals perceive behaviour in others and how individuals agree or disagree with the behaviour performed by them (Ho, Liao, & Rosenthal, 2015; Ajzen, 1991). In this study, subjective norm refers to the degree of pressure laid on social commerce shoppers by significant referents, and the motivation force to comply with the wishes and opinions of their referents whether to engage or not with the brand in social commerce.

Underlying Theory

Ajzen and Fishbein (1980) proposed the Theory of Reasoned Action (TRA) to test the behavioural model with the purpose of conceptualising the determinants of intentional expected behaviour (Davis, Bagozzi, & Warshaw, 1989). The TRA has been verified to be useful in interpreting various behaviours in social psychological fields (Sable, Schwartz, Kelly, Lisbon, & Hall, 2006; Ajzen & Fishbein, 1980). This study applied the TRA because it has become increasingly important as a useful explanation for identifying the underlying factors of human behaviour that determine the behaviour to engage or not to engage in a particular action (Lujja, Mustafa Omar, & Hassan, 2016). The TRA comprises three determinants of human behaviour i.e. behavioural intention, attitude towards the behaviour, and subjective norm. All these determinants were employed to construct the research framework in this study. Given that customer brand engagement appears as a form of behaviour, it is therefore applicable for this study. The present study investigated the TRA with attitude towards the behaviour and subjective norm in exploring customer brand engagement in social commerce.

Hypotheses Development

Attitude towards the Behaviour

Attitude towards the behaviour is strongly believed to influence people's behaviour and it was proved in many past studies. The greater the favourable attitude towards the behaviour, the greater an individual's intention to perform the behaviour (Azjen, 1991). Several studies confirmed that attitude towards behaviour is positively correlated with behavioural intention (Huang, 2016; Wong, Osman, Goh, & Rahmat, 2013). Some studies conducted in the social media context also supported that attitude towards the behaviour significantly predicts behavioural intention and in turn significantly predicts actual behaviour (Sanne & Wiese, 2018; Al-Debei, Al-Lozi, & Papazafeiropoulou, 2013; Goh, Lada, Muhammad, Ibrahim, & Amboala, 2011). Perhaps, attitude toward the behaviour tends to influence a customer' intention to participate or not participate in certain activities. Thus, the following hypothesis is developed:

H1: Attitude towards the behaviour is positively related to customer brand engagement in social commerce.

Subjective Norm

Subjective norm have been indicated as the most significant predictor of behavioural intention (Ayed Al-Muala, Malek Al-Majali, & Mamdouh Al Ziadat, 2012; Tan, Ooi, Sim, & Phusavat, 2012; Muhamad Abduh, Jarita Duasa, & Mohd Azmi Omar, 2011). The more individuals recognise subjective norm to encourage a certain behaviour, the more likely an individual is to perform the behaviour (Potgieter & Naidoo 2017; Al-

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Debei, Al-Lozi, & Papazafeiropoulou, 2013). Accordingly, when other buyers share their purchase experience and preferences the individual will be influenced to get involved in social commerce (Sharma & Crossler, 2014). With the supporting evidence provided, it is clear that subjective norm can become a driving force for customer brand engagement. Thereby, the following hypothesis is developed:

H2: Subjective norm is positively related to customer brand engagement in social commerce.

Methodology

The present study was conducted within Sarawak, Malaysia. To collect quantitative data, a survey questionnaire was employed to collect primary data through self-administrative method. A purposive sampling method was applied and the data were collected from those social media users who aged between 20 to 39 years old, have an account in social networking site (e.g. Facebook, Instagram) and messaging app (e.g. Facebook messenger, Whatsapp, Webchat), and ever purchase products from any social commerce group. The sample size of the study was 106, which fulfilled the rule of thumb of Roscoe (1975), where a sample size of between 30 to 500 samples is sufficient and acceptable in most studies (Sekaran & Bougie, 2009). The survey questionnaires were distributed to social media users aged between 20 to 39 years old, have an account in a social networking site (e.g. Facebook and Instagram) and messaging app (e.g. Facebook Messenger, WhatsApp, Webchat), and has purchased products from any social commerce group. The questionnaire was divided into two parts.

The first part consists of multiple items used to measure the constructs, namely attitude toward the behaviour, subjective norm, and customer brand engagement. Approximately 18 items were adapted from previous researchers. Nine items of customer brand engagement were adapted from Solem and Pedersen (2016). Five items of attitude towards the behaviour were developed from Huang (2016), Lada, Tanakinjal, and Amin (2009), Teo (2009), and Four items of subjective norm were drawn from Lada et al. (2009) and Teo (2009). Each of the items were measured using a seven step Likert scale ranging from 'strongly disagree', 'disagree', 'slightly disagree', 'average', 'slightly agree', 'agree', and 'strongly agree'. The second part was designed to gather the demographic information of the respondents. A total of 130 questionnaires were distributed, 119 questionnaires were collected from the respondents, and the remaining 11 questionnaires were missing, indicating a response rate of 91.5 percent. After filtering for uncompleted questionnaires, 106 completed samples were analysed using the statistical tools of Statistical Package of Social Science (SPSS) version 22 and Smart Partial Least Squares 3.0 (Smart PLS). The results of the study are reported in the following section.

Findings

Descriptive analysis

As shown in Table 1, female were the dominant samples indicated they have more interest than male on clothes and accessories market. Besides that, majority of the samples have high literacy rate with a least a college/diploma background, implied that they are knowledgeable and willing to answer all the questions in the questionnaires

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accurately. Looking into the result of monthly income, samples within the range of RM 1, 999 and below showing the highest sense of participation on social commerce.

Table 1 Profile of Respondents

Profile	Category	Frequency (N=106)	Percentage
Gender	Female	70	66.0
	Male	36	34.0
Age	20-24 years old	36	34.0
•	25-29 years old	35	33.0
	30-34 years old	22	20.8
	35-39 years old	13	12.3
Education background	SPM	16	15.1
-	STPM /Certificate	5	4.7
	College/Diploma	44	41.5
	Bachelor's degree	36	34.0
	Master's degree	5	4.7
Monthly income	RM 1,999 and below	56	52.8
•	RM2,000-RM2,999	18	17.0
	RM3,000-RM3,999	24	22.6
	RM4,000-RM4,999	6	5.7
	RM5,000-RM5,999	1	0.9
	RM15,000 and above	1	0.9
Frequency of online shopping in	Once a day	6	5.7
social commerce pages/group	Once a week	18	17.0
	Several times in a week	27	25.5
	Once in a month	14	13.2
	Sometimes in a month	41	38.7
Average hour spend on social	Less than 1 hour	21	19.8
commerce group per week	1-2 hours	29	27.4
	3-4 hours	36	34.0
	5-6 hours	13	12.3
	7-8 hours	4	3.8
	More than 8 hours	3	2.8
Number of online purchase in the last	None	0	0.0
3 months	1-5 times	82	77.4
	6-10 times	19	17.9
	11 − 15 times	4	3.8
	More than 15 times	1	0.9

Source: Author

Measurement Model Assessment

Eighteen items were used to measure the latent variables of the study. A confirmatory factor analysis (CFA) was carried out to measure the internal consistency, convergent validity, and discriminant validity for the indicators. Items loading were practically significant at a minimum cut-off point of 0.50 (Hair, Wolfinbarger, Ortinau, & Bush, 2010). A Cronbach's alpha which is equal to or greater than 0.70 is generally acceptable (Cronbach, 1951); composite reliability and average variance extracted (AVE) should excess 0.50 (Barclay, Thompson, & Higgins, 1995). The findings of convergent validity revealed that all the indicators were above the minimum acceptable values (refer to Table 1).

Under discriminant validity, two methods are employed, which are the Fornell-Larcker Criterion and Heterotrait-Monotrait Ratio (HTMT) (refer to Table 2 and Table

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3). This study indicated that no discriminant validity problem existed as the value of HTMT was greater than 0.85 (Kline, 2011) or 0.90 (Gold, Malhotra, & Segars 2001).

Table 2 Convergent Validity

Latent Variables	Items	Loadings	Cronbach's Alpha	Composite Reliability ^a	AVEb
Customer	CBE_1	0.706	0.915	0.929	0.595
Brand	CBE_2	0.657			
Engagement	CBE_3	0.836			
	CBE_4	0.822			
	CBE_5	0.802			
	CBE_6	0.833			
	CBE_7	0.758			
	CBE_8	0.710			
	CBE_9	0.796			
Attitude	Att_1	0.820	0.910	0.933	0.737
towards the	Att_2	0.907			
Behaviour	Att_3	0.906			
	Att_4	0.837			
	Att_5	0.816			
Subjective	Sub_1	0.766	0.895	0.928	0.764
Norm	Sub_2	0.915			
	Sub_3	0.927			
	Sub_4	0.880			

Note:

Source: Author

Table 3 Fornell-Larcker Criterion

		1	2	3
1.	Attitude towards the Behaviour	0.858		
2.	Customer Brand Engagement	0.601	0.771	
3.	Subjective Norm	0.673	0.641	0.874

Note: Diagonals represent the square root of the average variance extracted (AVE) while the other entries represent the correlations.

Source: Author

Table 4 Heterotrait-Monotrait Ratio (HTMT)

		1	2	3
1.	Attitude towards the Behaviour			
2.	Customer Brand Engagement	0.637		
3.	Subjective Norm	0.747	0.682	

Source: Author

Structural Model Assessment

Drawing from bootstrapping, the findings of the hypotheses testing were illustrated in Figure 1, Table 4, and Table 5. The t-values (robust scores) should be above 1.96 or 2.56 at the significant level of 0.05 and 0.01 respectively (Gefen, Straub, & Boudreau, 2000).

a. Composite Reliability (\mathbf{CR}) = (square of the summation of the factor loadings)/{(square of the summation of the factor loadings) + (square of the summation of the error variances)}

b. Average Variance Extracted (AVE) = (summation of the square of the factor loadings)/ {(summation of the square of the factor loadings) + (summation of the error variances)}

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The results revealed that H1 and H2 were higher than 1.96. The findings presented a significant relationship between reasoned action factors and customer brand engagement. This indicated that attitude towards the behaviour and subjective norm were positively related to customer brand engagement in social commerce. Thus, both H1 and H2 were supported. It was suggested that a variation inflation factor (VIF) value greater than 5 indicated a potential collinearity problem (Hair, Ringle, & Sarstedt, 2011). In this study, the VIF value was 1.826 which was lower than 5. Additionally, the results indicated the coefficient of determination (R^2) for customer brand engagement was 0.463, indicating more than 46.3 percent of the construct. Next, the researchers accessed Q^2 by performing blindfolding to measure the predictive relevance of the research model. In this study, the research model has predictive relevance as $Q^2 = 0.245$ was greater than zero (Chin, 1998). To test the overall fit of path model, the researchers used the following formula to get the value of GoF:

$$GoF = \sqrt{\overline{AVE} + \overline{R}^2}$$

According to Fornel and Larcker (1981), GoF equal to 0.10 is small, equal to 0.25 is medium and equal to 0.36 is large. The findings reported a GoF value of 0.899 ($R^2 = 0.463$; AVE = 0.595), which exceeded the largest value of GoF 0.36. This implied that the proposed PLS model of the study was sufficient.

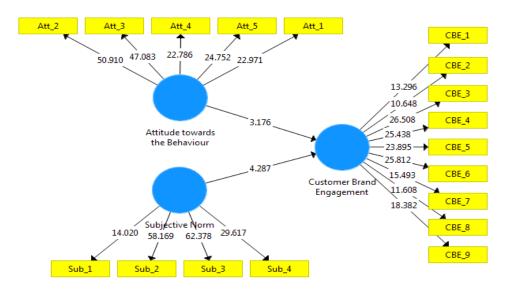


Figure 1: Overall Research Framework with t-value Source: Author

Table 5 Path Coefficients and Hypothesis Testing

Hypothesis	Relationship	VIF	Beta Value	t-value	Decision
H1	Att \rightarrow CBE	1.826	0.311	3.176*	Supported
H2	Sub \rightarrow CBE	1.826	0.432	4.287*	Supported

Note: p < 0.05; p < 0.01

Source: Author

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Discussion

The main idea of the study was to investigate the influences of reasoned action factors on customer brand engagement in social commerce. As expected, the findings show that attitude towards the behaviour and subjective norm have a positive relationship on customer brand engagement in social commerce. This indicated that attitude towards the behaviour and subjective norm were the factors influencing customer brand engagement in social commerce. The result is consistent with previous studies which found that attitude influences an individual's behavioural intention to engage in a particular action (Nurul Agila Hasbullah, Abdullah Osman, Safizal Abdullah, Shahrul Nizam Salahuddin, Nor Faizzah Ramlee, & Hazalina Mat Soha, 2016; Ramayah & Aafaqi, 2005). In this study, social media users who have a good attitude towards a brand in social commerce might be because they believe in the quality of the brand, so they are confident to engage with that brand. This indicated that a positive attitude of customers towards a brand will increase their willingness to know more and having more interest to engage with the brand. Furthermore, the study's result is in line with many past studies that indicated the significant relationship between subjective norm and behavioural intentions (Khaled Mohammed Algasa, Filzah Mohd Isa, Siti Norezam Othman, & Ali Hussein Saleh Zolait, 2014; Amin & Chong, 2011; Zainol Bindin, Kamil Mohd Idris, & Faridahwati Mohd Shamsudin, 2009; Chen & Yang, 2007). Evidently, many studies done in the Malaysian context found that friends, family and colleagues are the important referents in the Malaysian culture as people are more inclined to comply with their referent pressure (Zendehdel, Laily Hj Paim, & Syuhaily Bint Osman, 2015; Ramayah & Aafaqi, 2005). Hence, it proves that Malaysians are more concerned with the perceptions and beliefs of others who are closer to them and this will then shape a customer's decision to engage with a brand in social commerce. To this end, the study validated that the TRA can be applied to predict customer brand engagement in the context of Malaysia.

Future Recommendation

Moreover, the researchers suggested future researchers to examine this related research with other antecedents of customer brand engagement in different field (e.g. Shoppe, Tao Bao, etc). Different theories such as motivation theory and persuasive theory also can be applied in future studies. Additionally, future research also can extend the framework of the studies to explore the possible outcomes of customer brand engagement to improve the existing literature review.

Conclusions and Implications

Social commerce has become more important nowadays and many commercial activities are conducted via the Internet. It is expected that future business transactions in Sarawak will be mostly carried out in a highly interactive environment, for instance social commerce. The purpose of the study was to capture this interesting phenomenon by investigating the influence of attitude towards the behaviour and subjective norm on customer brand engagement in social commerce. The findings supported the results of previous literatures indicated that attitude towards the behaviour and subjective norm have influence on behavioural intention by showing a positive effect on customer brand engagement in social commerce. In terms of theoretical implications, this study filled

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the existing research gaps by validating new relationships between reasoned action factors (e.g. attitude towards the behaviour and subjective norm) and customer brand engagement. Hence, the study has contributed a new literature review for future researchers and academicians on customer brand engagement. Moreover, the study also enhanced the knowledge on the application of the Theory of Reasoned Action as the theoretical background to capture the behaviour of social media users towards customer brand engagement in social commerce. With regards to practical implications, this study contributed valuable insights into how the social media behaviour in Sarawak stimulates customer brand engagement and encourages social commerce business. The findings may helped to highlight some important current issues, which benefits social marketers and advertisers in their decision making especially for those in the clothes and accessories market. They have to take note that their marketing strategy should be made more effective by capturing individuals' beliefs and subjective norm aspects.

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