



## Introducing the socialbot: A novel touch point along the young adult customer journey

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## Introducing the socialbot: A novel touchpoint along the young adult customer journey

### Abstract

**Purpose** – This paper contributes to the special issue theme by exploring customer response to automated relationship management tactics on social media channels.

**Design/methodology/approach** – 17 in-depth interviews of young adults ranging from the age of 19 to 26, were conducted. From this, customer journey maps were compiled incorporating socialbots as a valuable touchpoint along the service delivery cycle.

**Findings** – The research frames the socialbot as a valued customer service agent to young adults with some favouring this over telephone and email communication methods. Younger consumers respond positively to the quick resolution offered by the socialbot mechanism with most acknowledging the bot is only able to manage simplified requests. Human-to-human customer relationship management is preferential when the query reaches critical mass.

**Research limitations/implications** – Socialbots on Facebook messenger provided the research context for this study therefore other platforms and owned website bots should be considered in future studies.

**Practical implications** – This research identifies the younger generation as a key target market for the development of customer service related bots.

**Originality/value** – This work is the first to examine the socialbot as an automated touchpoint in the customer journey and contributes knowledge to the growing body of literature focused on AI in customer service. Moreover, it provides valuable qualitative insights into how socialbots influence the customer experience and related outcome measures.

**Keywords** – Socialbots, Customer Journey, Customer Experience, Touchpoint, Social Networking Sites, Artificial Intelligence

**Paper type** – Research paper

## Introduction

In a world where instant communication through Social Networking Sites (SNS) such as Twitter, Facebook and Instagram is heavily embedded within young adults' lives (Ellison et al., 2008; Utz, 2016), there is an increasing demand for firms to produce instantaneous information (Brandtzaeg and Folstad, 2017). Artificial Intelligence (AI) advancements provide an opportunity for firms to meet the ever demanding consumer needs. Recent advancements in AI and the development of Natural Language Processing (NLP; Kietzmann et al., 2018) has allowed AI systems to analyse human language by deriving meaning from conversations. The goal being to make the interaction between computers and humans feel exactly like human-to-human interaction (Jackins, 2016; Kietzmann et al., 2018). These advances have led to the development of intelligent personal assistants, such as Amazon's Alexa (Han and Yang, 2018; Xu et al., 2017), chatbots, socialbots and intelligent agents. A socialbot, the topic of this paper, is a type of chatbot that simulates human behaviour in automated interactions on SNS (Rouse, 2013).

In 2016, Facebook launched a bot within their Messenger application, known as a socialbot, which permits brands to build a socialbot and communicate with Facebook Messenger users. With over a billion people per month using Facebook Messenger and over 100,000 bots within the application, they are changing the way consumers and brands interact (Sprout Social, 2018). Initially, the socialbot's main purpose was to answer complaints in the customer service departments of businesses (Xu et al., 2017). Due to their success in dealing with complaints, businesses have found other ways to utilise them, which in-turn increases productivity and maximises entertainment (Brandtzaeg and Folstad, 2017). There are consequently a number of motivations for using a socialbot, for example customer service, entertainment, curiosity, productivity and socialising (Brandtzaeg and Folstad, 2017; Kaczorowska-Spychalska, 2018; Xu et al., 2017; Zarouali et al., 2018). However, as an entirely new entity within SNS and a novel form of customer service, there is little understanding of how socialbots impact the customer experience.

Current knowledge demonstrates that socialbots create value for firms, as many adopt the technology to increase cost effectiveness and profits. For example, if businesses were able to use socialbots instead of employing a human based customer service agent, they would be able to reduce costs by 30% (Reddy, 2017). As a result, it is expected that the socialbot industry will be worth \$1.25 billion by 2025 (Grand View Research, 2019). There are further benefits to using AI as it enables brands, retailers and companies to simultaneously process data and use information about individual customers (Daskou and Mangina, 2003), which can enhance segmentation and targeted marketing. Additionally, many brands are starting to use SNS as a sales platform with 40% of business owners using these channels to generate profits (Arnold, 2018), indicating a suspected shift from e-commerce to social shopping (e.g. purchasing products/services through SNS).

There are few studies relating to how socialbots create value for the consumer, therefore this paper extends the extant scholarship. As SNS are not just a messaging platform, they are an area where meaningful interaction can take place, socialbots may be used to build a strong customer relationship (Hanna et al., 2011; Xu et al., 2017). However, previous research mainly

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3 identifies the motivations for using socialbots (Branstzaeg and Folstad, 2017) or the  
4 technology that powers them, rather than the potential customer relationship. It is suggested  
5 that emotional empathy could develop between people and computers when communication  
6 is frequent and regular (Han and Yang, 2018) and that customers prefer emotive socially  
7 intelligent agents (Neururer et al., 2018) but the understanding of this impact on the  
8 consumer is limited. Current concerns with the socialbot phenomenon include privacy,  
9 security risks, potential detrimental effects on the consumer and dehumanisation of the  
10 customer-business relationship (Ho and Ito, 2019; Han and Yang, 2018; Kaczorowska-  
11 Spsychalska, 2018). The present paper therefore explores these potential concerns by  
12 establishing how customers interact with socialbots on SNS and what impact this has on their  
13 customer experience.  
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18 The current study focuses on young adults as they are the primary segment of consumers  
19 engaging with SNS (Ho and Ito, 2019) and socialbots. By generating 30% of retail sales in the  
20 US (Donnelly and Scaff, 2018), this segment holds a significant proportion of purchasing  
21 power and considerable influence, which has attracted attention from businesses and  
22 academics (Komidar et al., 2014; Moore, 2012; Pate and Adams, 2013; Pozza et al., 2017).  
23 Compared to older generations, these consumers rely on and live in a world surrounded by  
24 technology (Pate and Adams, 2013). Due to the recent development of socialbots there is  
25 minimal knowledge, especially of how young adults engage with this technology (Brandtzaeg  
26 and Folstad, 2017; Xu et al., 2017; Zarouali et al., 2018).  
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31 Consequently, the aim of this study is to explore the experiences of young adults using  
32 socialbots by adopting a customer journey framework from the customer experience  
33 literature (Lemon and Verhoef, 2016). Theoretically, the paper contributes to current  
34 understanding of customer experience by highlighting the importance of incorporating an  
35 alternative touchpoint, the automated touchpoint (ATP), into the process model for customer  
36 journey and experience (Lemon and Verhoef, 2016). This is to account for AI and automated  
37 related touchpoints, such as socialbots. Moreover, the qualitative exploration provides  
38 insights into how socialbots alter the customer experience and recommendations are made  
39 on how this novel touchpoint may be linked to outputs such as customer equity. Practically,  
40 the research develops understanding of young adults' customer journeys relating to products  
41 and services that utilise socialbots for customer service, promotion and information gathering  
42 in order to develop recommendations relating to usage of this technology.  
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47 The paper is organised as follows. The subsequent section provides a review of the literature  
48 on customer service within the customer experience, omnichannel touchpoints and outputs  
49 relating to customer touchpoints. This is succeeded by an explanation of the chosen  
50 methodology alongside sampling, research and analysis methods. The findings emerging from  
51 the data are then presented. Finally, the theoretical and practical implications of the paper  
52 are discussed alongside limitations and directions for future research.  
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## 56 **Literature Review**

### 57 *Customer service within customer experience*

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3 Customer service has been found to be essential in many areas of marketing such as customer  
4 satisfaction and loyalty (Bolton, 1998), service quality (Parasuraman, et al., 1988), relationship  
5 marketing (Berry, 1995; Sheth and Parvatiyar, 1995), customer relationship management  
6 (Ngai, 2005) and customer engagement (Brodie et al., 2011). More recently, customer service  
7 features heavily within the customer experience literature and throughout the customer  
8 journey (Juttner et al., 2013; Lemon and Verhoef, 2016). The idea of the customer journey  
9 was originally born out of the service marketing literature. For instance, service blueprinting  
10 was the primary endeavour to map the customer journey and has had influence on key stages  
11 of the journey metrics such as critical incidents, otherwise known as moments of truth (Bitner  
12 et al., 2008; Shostack, 1987). Moreover, an understanding of the influence of the environment  
13 and atmospherics on the customer experience (Bitner, 1990; 1992) has been at the forefront  
14 of the customer experience focus on context. Since its inception from service marketing into  
15 a customer centric approach, the concept of customer experience has evolved into a  
16 multidimensional construct, which focuses on the emotional, behavioural, cognitive, social  
17 and sensory customer responses to a company throughout the complete customer journey  
18 (Lemon and Verhoef, 2016).

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25 The majority of recent customer experience literature that relates directly to customer  
26 services are based within services marketing (Halvorsrud et al., 2016; Lariviere et al., 2017;  
27 Tax et al, 2013; Teixeira et al., 2012; Varnali, 2019; Voorhees et al., 2017). As a result,  
28 understanding of the impact of customer services seems predominantly embedded within  
29 service encounters (Tax et al., 2013; Voorhees et al., 2017), service quality (Halvorsrud et al.,  
30 2016) and service design (Teixeira et al., 2012). Within present society, as online shopping  
31 continues to increase (Bleier et al., 2019) and AI is unceasingly enhanced (Brandtzaeg and  
32 Folstad 2017), it is essential to comprehend customer service, beyond the services literature,  
33 and within the context of purchasing a product. As such, by applying principles and tools from  
34 the customer experience scholarship, such as the customer journey (Lemon and Verhoef,  
35 2016), the impact of customer services on a consumer can be explored throughout the entire  
36 customer experience for firms operating in both service and product-based industries.

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41 As firms are beginning to value each customer as an individual with different experiences,  
42 scholarship and practice are exploring ways of transitioning from mass marketing to a tailored  
43 approach (Batra and Keller, 2016; Kietzmann et al., 2018; Lemon and Verhoef, 2016). For  
44 instance, AI based customer services, such as socialbots are being used so that instant big  
45 data can continuously monitor consumer behaviour (Kietzmann et al., 2018), which enables  
46 marketers to offer this individualised tactic. Furthermore, the growth of social media provides  
47 marketers with infinite communication possibilities to personalise message content, timing  
48 and location (Batra and Keller, 2016). This approach is perceived to be an effective business  
49 strategy to adopt, as it can lead to customers having a positive experience (Bolton et al., 2018;  
50 Puccinelli et al., 2009), which impacts repeat purchases and word-of-mouth  
51 recommendations (Daskou and Mangina, 2003). There is, however, scope to further  
52 understand the impact of these technological personalised approaches on the consumer, by  
53 using the customer experience literature as a theoretical lens.  
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3 The customer journey is a recent development that has emerged from the customer  
4 experience body of knowledge, it is therefore theoretically in its infancy and is continuously  
5 being altered and improved. For instance, recent debates involve the differences between a  
6 customer and a consumer journey (Hamilton and Price, 2019). The prior relating to a strategic  
7 focus on customers, whilst the latter acknowledges the consumer as an individual with  
8 intricate experiences, multiple journeys and a complex life, intertwined with commercial  
9 products and services (Hildebrand and Schlager, 2019; Novak and Hoffman, 2019). Despite  
10 the recent advancements in consumer journeys, for this paper the customer journey concept  
11 provides a necessary emphasis on understanding the how AI, being used strategically for  
12 customer service, influences the customer experience (Lemon and Verhoef, 2016).  
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17 Furthermore, a review of literature on customer journeys results in an unclear definition of  
18 what a journey is, as the number of stages regularly differs (Batra and Keller, 2016; Kietzmann  
19 et al., 2018; Lemon and Verhoef, 2016; Puccinelli et al., 2009). One approach to understanding  
20 the customer journey is to divide the journey into pre-purchase, purchase and post-purchase  
21 with four categories of customer experience touchpoints in each of the three stages (Lemon  
22 and Verhoef, 2016). In contrast, Batra and Keller (2016) believed the process was more  
23 complex and used ten stages to understand the journey. They stressed the importance of  
24 satisfying customers at each of these points, as each stage comes with a number of risks and  
25 the premise of a successful customer journey could fail at any one of these stages. Despite  
26 this ideology, Wolny and Charoensuksai (2014), Puccinelli et al. (2009) and Kietzmann et al.  
27 (2018) considered ten stages as too complex. Regardless of the conflicting views across  
28 literature on the number of stages in the customer journey, such variations are all  
29 underpinned by the same ideas. As this study is focussing on a specific touchpoint, the  
30 socialbot, and has a customer as opposed to a consumer focus (Hamilton and Price, 2019),  
31 we adopt the Lemon and Verhoef (2016) model of the customer journey, which is divided into  
32 three stages; pre-purchase, purchase and post-purchase, in order to provide a simplified  
33 clarity on the impact that socialbots have on the customer experience.  
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#### 40 *Omnichannel touchpoints*

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42 In relation to customer experience, the omnichannel literature is the most advanced as it  
43 contributes to aspects of the customer journey. For instance, studies have evolved from  
44 focussing on one particular channel such as catalogues (Leeflang et al., 2013) to several  
45 channels utilised across the phases of the experience (De Keyser et al., 2015). Consequently,  
46 recent scholarship identifies two different types of omnichannel shopping; webrooming,  
47 which involves searching online but buying in store (Verhoef et al., 2007) and showrooming,  
48 which involves browsing in store but purchasing online (Brynjolfsson et al., 2013; Rapp, 2015).  
49 With the introduction of new technologies such as smartphones, tablets, AI and virtual reality,  
50 the omnichannel experience increases in complexity. For example, using a mobile phone in  
51 store can encourage the consumer into showrooming as it is possible to view the product and  
52 search for offers online simultaneously (Rapp, 2015). It has been discovered that mobile  
53 technologies interact with and can affect existing channels (Lemon and Verhoef, 2016). Now  
54 that AI in the form of chatbots and socialbots are available in online and mobile channels, it  
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3 is important to understand how this automated customer service impacts the customer  
4 experience. One way to do this is to investigate socialbots as a touchpoint along the customer  
5 journey (Baxendale et al., 2015; De Haan et al., 2016).  
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8 Due to the increase of e-commerce and m-commerce, customers now interact with firms at  
9 countless touchpoints in multiple channels and media (Lemon and Verhoef, 2016; Wolny and  
10 Charoensuksai, 2014). Touchpoints are often characterised into different themes in order to  
11 comprehend the complexity. For instance, Stein and Ramaseshan (2016) identified seven  
12 themes relating to customer experience touchpoints including; atmospherics, technological,  
13 communicative, process, employee-customer interaction, customer-customer interaction  
14 and product interaction, whereas Lemon and Verhoef (2016) identified the touchpoints as  
15 brand-owned, partner-owned, customer-owned and social/external. The consensus from the  
16 literature, however, is the importance of each touchpoint, as each time a consumer connects  
17 with an organisation the interaction can result in progress to the next stage of the journey or  
18 complete discouragement (Batra and Keller, 2016; Lemon and Verhoef, 2016; Stein and  
19 Ramaseshan, 2016; Wolny and Charoensuksai, 2014). It is also important to acknowledge the  
20 customer experience as subjective, and personal to the individual, making the customer  
21 journey and touchpoints difficult to standardise (Stein and Ramaseshan, 2016).  
22 Understanding socialbots on a customer level, as an ATP, is therefore imperative in  
23 understanding the value that they add to the customer experience.  
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31 Socialbots are relatively new tools used in business; there is the potential for cost-saving  
32 benefits but the response by customers is still unknown. One of the current motivations for  
33 using a socialbot is curiosity, due to the novelty of the tool (Brandtzaeg and Folstad, 2017).  
34 However, once the novelty factor no longer exists, socialbots will be required to meet  
35 consumer needs in order to remain useful. Zarouali et al. (2018) evaluate consumers'  
36 attitudes towards socialbots, and discover that perceived helpfulness and usefulness are  
37 influential. Equivalently, Xu et al. (2017) also found helpfulness to be a significant factor in  
38 the evaluation of the socialbot. Evidently, the literature has identified core factors that a  
39 socialbot requires to successfully meet consumers' needs but as socialbots were only  
40 developed in 2016 (Brandtzaeg and Folstad, 2017), there is limited academic research into  
41 the topic, creating a number of potential areas for future study. To date, there is no research  
42 evaluating the influence that socialbots could potentially have on the customer experience.  
43 Thus, the prominent gap in the existing research provides a primary rationale to investigate  
44 the socialbot as a touchpoint along the customer journey.  
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51 It is difficult to categorise socialbots as a touchpoint within one of the four categories  
52 identified by Lemon and Verhoef (2016). For example, they could be brand-owned and  
53 operated by the subject firm; they could also be partner-owned as in this instance, Facebook  
54 messenger provide the platform; they could be customer-owned as a customer has a choice  
55 of interaction with the firm and the choice to use socialbots on Facebook messenger, finally  
56 by being situated on SNS, they could also be subject to social and external touchpoints. As a  
57 result, it is not clear where the socialbot fits within the Lemon and Verhoef (2016) customer  
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3 journey and experience process model, as this framework was developed before socialbots  
4 and chatbots were common practice. Lemon and Verhoef (2016) admit that when it comes to  
5 technology, there are blurred lines between the brand-owned and partner-owned  
6 touchpoints, as an update by the partner-owned software or device may pressure the brand-  
7 owned service or application to be altered. Introducing ATPs within the framework would  
8 help account for these blurred circumstances. The authors therefore argue that the socialbot  
9 is an ATP, which is an automated and computerised form of interaction integral to  
10 omnichannel marketing (Lajante, 2019; Singh and Hess, 2017). Examples include chatbots,  
11 socialbots, interactive voice recognition (McCartan-Quinn et al., 2014) and automatic self-  
12 service technologies (Blut et al., 2016; Meuter et al., 2005).  
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### 18 *Consequences of customer touchpoints*

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20 The outcomes related to the customer touchpoints, the customer journey and the customer  
21 experience is an understudied area of research. For example, the customer journey models  
22 generally focus on the purchase as the ultimate outcome of experiencing different  
23 touchpoints (Anderl et al., 2016; Li and Kannan, 2014; Xu et al., 2014). Additionally, they  
24 identify the interactions between touchpoints and these interactions impact purchase  
25 behaviour (Wang et al., 2015). Lemon and Verhoef (2016) consequently call for the customer  
26 experience to be better linked to outcome measures, not just relating to conversion, but also  
27 to long-term loyalty. As a result, there is scope for touchpoints, such as the socialbot, to be  
28 linked with models relating to both the purchase outcome and long-term loyalty.  
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32 One way of measuring long-term loyalty is through Customer Lifetime Value (CLV; Gupta et  
33 al., 2006; Kumar and Reinartz, 2016), which can result in shareholder value creation (Kumar  
34 and Shah, 2009). However, there were disagreements as to the whether strategies involving  
35 CLV had enough of a focus on the value being provided to consumers. In response to this, the  
36 customer equity framework was developed by Zeithaml et al. (2001); this framework  
37 identifies whether investments in quality, brands and customer relationships impact CLV  
38 (Rust et al., 2004). Customer equity is traditionally defined as the total of the discounted  
39 lifetime value of all the firm's customers (Zeithaml et al., 2001). In other words, the firm's  
40 value is dependent on the consumers' perceptions of future purchases with the firm.  
41 Therefore, the firm needs to comprehend why the consumer initially invests in the firm and  
42 how to influence the consumer to continue to repurchase, time and time again (Zeithaml et  
43 al., 2001), which enhances customer loyalty (Ou et al., 2017).  
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49 According to the literature there are three areas where the firm can impact the initial  
50 consumer purchase and re-purchase; value equity, brand equity and relationship equity  
51 (Lemon et al., 2001; Rust et al., 2004). Value equity is the customer's assessment of the utility  
52 of the brand and the three key sub-categories within this construct are: quality, price and  
53 convenience (Lemon et al., 2001: 22). Value equity can also be enhanced when firms  
54 introduce innovative products and services (Lemon et al., 2001). Brand equity is "the  
55 customer's subjective and intangible assessment of the brand, above and beyond its  
56 objectively perceived value" (Lemon et al., 2001: 22). The key levers within brand equity are  
57 brand attitudes, brand awareness and corporate social responsibility. Finally, relationship  
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3 equity is what ties the consumer to the firm; it is defined as the propensity of the customer  
4 to stay with the brand, withholding the customer's objective assessment of the brand (Lemon  
5 et al., 2001: 22). For example, included within the relationship equity driver are loyalty  
6 programs, affinity programs and knowledge-building programs. These drivers have been  
7 shown to affect consumer loyalty intentions, which have an impact on future sales (Vogel et  
8 al., 2008). The drivers are pertinent to the current study and how socialbots can create  
9 customer value, change customer relationships with the firm and encourage loyalty to the  
10 brand.  
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## 14 **Methodology**

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16 The aim of this study is to develop a deeper understanding of the impact that socialbots, as  
17 an ATP, have on young adults' experiences and customer journeys. As there is a lack of  
18 research on this novel touchpoint for this segment of consumers (Konus et al., 2008), the  
19 present study took an overall inductive approach, where the research process was developed  
20 from empirical materials and not from theoretical propositions (Eriksson and Kovalainen,  
21 2016). This was in an attempt to draw conclusions from the data in order to enhance and  
22 develop theoretical understanding. Being exploratory in nature, qualitative in-depth  
23 interviews (Mariampolski, 2001) were used to establish the relationship that young adults  
24 have with socialbots and how this affects other touchpoints and outcomes of their customer  
25 experience (Lemon and Vehoeft, 2016). Purposive sampling was used as a deliberate selection  
26 of participants conforming to pre-determined criteria (Kent, 1999). Participants were  
27 therefore selected based on age, location and prior experience of using socialbots on  
28 Facebook Messenger.  
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34 The majority of current literature on socialbots uses a quantitative approach with much larger  
35 sample sizes' (Brandtzaeg and Folstad, 2017; Xu et al., 2017; Zarouali et al., 2018), however,  
36 as the aim of the study was not to generalise the findings, but to understand the nature of  
37 the phenomenon from knowledgeable informants. Purposive sampling was thus deemed an  
38 effective approach to find appropriate participants (Krishnaswami and Satyaprasad, 2010).  
39 For the purpose of this research, young adults were defined as between the ages of 18 and  
40 29. Participants were invited to take part in the research from promotional recruitment  
41 information posted on a Facebook community page of students and alumni for a UK  
42 University. Recruitment information contained a screening question, similar to that used by  
43 Brandtzaeg and Folstad's (2017) study to ensure participants met the age and experience  
44 characteristics. The sample consisted of 17 people with varying levels of socialbot experience;  
45 ranging from frequent, daily users to infrequent users who have only had a few experiences  
46 (Table 1). In total, there were 5 daily, 5 weekly and 7 monthly users. The participants varied  
47 in gender, with 9 females and 8 males. All were between the ages of 19 to 26.  
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53 In total there were 17 in-depth semi-structured interviews conducted, lasting between 40 and  
54 90 minutes. These were all carried out by the same researcher between December 2018 and  
55 March 2019 in a central location of Scotland. In-depth interviews were used as they provided  
56 opportunity for participants to share their personal experiences without being disturbed or  
57 influenced by others (Rubin and Rubin, 2005), which is imperative when collecting  
58 information on the customer journey. The interview consisted of semi-structured open-ended  
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3 questions so that the interviewer was not constrained by a pre-determined structure and  
4 could probe for more details when necessary (Kent, 1999; Krishnaswami and Satyaprasad,  
5 2010). The open-ended nature of the interview meant that the process of questioning was  
6 flexible and responsive to what individuals said. This maximised the opportunities for the  
7 researcher to gain insight into the respondents' experiences, feelings, attitudes and ideas  
8 (Kent 1999). The participants were asked to recall times when they had used Facebook  
9 Messenger socialbots; key questions were prepared in advance to cover the critical points of  
10 the customer journey but allowed the interviewees the freedom to express their own views  
11 (O'Gorman and MacIntosh, 2014).  
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16 The aim was to continue the process until data saturation was achieved (Glaser and Strauss,  
17 1967). Due to the homogeneous nature of the sample and specific topic, only 17 semi-  
18 structured interviews were required to reach saturation. The data collected from the  
19 interviews was recorded and manually transcribed. To further ensure participants privacy,  
20 pseudonyms were used throughout the study (O'Gorman and MacIntosh, 2014). The  
21 researchers used a thematic analysis to identify emerging themes within the data (Braun and  
22 Clark, 2006). One researcher initially coded all the transcripts, following the Braun and Clark  
23 (2006) suggested phases of thematic analysis. They firstly familiarized themselves with the  
24 data by conducting the transcription of all interviews and then generated initial codes  
25 following with an inductive semantic analysis, for instance "less to do with fun stuff or leisure  
26 stuff and more to do with if I had a problem or an issue" was coded as "problem solving  
27 motivation". The third, fourth and fifth phases; searching for themes, reviewing themes and  
28 defining/naming themes, were conducted by all three researchers, until a coding guide was  
29 produced. This approach allowed a systematic yet flexible way to analyse the qualitative data  
30 whilst sharing initial codes and themes between researchers. During the process, the second  
31 and third researchers used the coding guide to validate and check the initial coding and  
32 reached an agreement of 95.8%. The themes were used to develop three different customer  
33 journeys with varying motivations, emotions, thoughts and touchpoints.  
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40 [INSERT TABLE 1]  
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## 42 Findings

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44 Three customer journeys are identified from the data. The first of which is *optimised*  
45 *complaint management* referring to young adults using socialbots as a customer service when  
46 there is an issue or problem with their purchased product or service. In this instance,  
47 socialbots are primarily expected to effectively and efficiently respond the customer,  
48 generally during the post-purchase phase. The second journey involves *company controlled*  
49 *information sharing* experiences, which refer to customers using socialbots pre-purchase to  
50 gather information about products or services. The socialbot is programmed to ask the  
51 customers questions and provide recommendations based on their answers, hence creating  
52 alternative outcomes. The final journey is *personalisation through data mining*, which is  
53 where customer data is utilised to personalise the socialbot's promotion of products and  
54 services. The following sub-sections discuss these different customer journeys and the related  
55 themes identified from the data.  
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3 [INSERT TABLE 2]  
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5 *Optimised complaint management*  
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7 The findings indicate that the most frequent customer experience involving socialbots as a  
8 touchpoint is the *optimised complaint management* experience, which is a problem-solving  
9 based journey where the socialbot is adopted as a customer service within the post-purchase  
10 phase. If the participant has an issue, problem or query relating to their purchased product  
11 or service, they interact with the socialbot through Facebook messenger. The socialbot,  
12 seemingly has been programmed to reply to customer queries efficiently and effectively. This  
13 section identifies the *optimised complaint management* customer experience relating to a  
14 product or service (see Figure 1). Participants disclose that they use socialbots as a form of  
15 customer service for quick replies, convenient usage and due to a dislike of other touchpoints,  
16 which increases the likelihood of contacting the firm and rectifying negative experiences,  
17 hence improving the customer relationship and customer loyalty.  
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21

22 [INSERT FIGURE 1]  
23

24 The first theme identified within *optimised complaint management* is the satisfaction that  
25 participants feel from receiving efficient replies from socialbots. Both Laura and Nicola (see  
26 Table 2) express the value of quick replies, which lead to successful interaction with the firm  
27 and an increased likelihood of usage:  
28  
29

30 Laura: It definitely helps. I don't think I've had an unsuccessful interaction with the  
31 company over messenger [socialbot] because they always are super quick in  
32 responding and it's easy to get responses back from them.  
33  
34

35 Furthermore, the second theme emerging from the data and relating to *optimised complaint*  
36 *management* is the convenience of using a socialbot. As young adults crave an instant reply  
37 when interacting with businesses, the advancements in AI allow socialbots to provide this  
38 possibility, especially being present on SNS, where young adult consumers are predominantly  
39 based. Jack and Tessa (see Table 2) both discuss the normalcy of continuously being on social  
40 media and digital devices:  
41  
42

43 Jack: I think it's [socialbots are] quite a good idea considering how much people use  
44 computers or phones or that kind of thing, especially when you're on a big waiting  
45 line. It's easier to type out a message to someone and they are quite good at replying  
46 quite quickly.  
47  
48

49 Consequently, by using socialbots as a customer service, firms are embedding their brand and  
50 communications within the everyday lives and journeys of young adults. As such, the data  
51 indicates the value that participants place on having quick and convenient interaction with  
52 firms. Interestingly these themes also impact other themes within the *optimised complaint*  
53 *management* experience, such as how socialbots interact with other touchpoints and the  
54 changing relationship that customers now have with brands.  
55  
56  
57

58 For instance, the third identified theme within *optimised complaint management* is how  
59 socialbots interact with other touchpoints along the problem-solving journey. The quick  
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2  
3 replies from socialbots increase the preference of using this touchpoint over other customer  
4 service based touchpoints. For example, Rachel demonstrates how socialbots are much more  
5 efficient than email:  
6

7  
8 Rachel: They were fast replying, it was a lot easier than back and forth email because  
9 it was more like an open line chat.  
10

11 Furthermore, if the only options for contacting a business are phoning or emailing it can deter  
12 customers from contacting the business. There are several explanations for this including  
13 discomfort in the interaction, long waiting times and lack of clarity. Tessa (see Table 2)  
14 expresses her dislike of emails whilst Alex exclaims his dislike of phoning companies such as  
15 Amazon:  
16

17  
18 Alex: I just hate it. It sounds so bad but when you call companies there's always chat  
19 in the background and they speak really quickly. Like I called Amazon, actually, and it  
20 was a nightmare I couldn't understand the guy, he couldn't understand me and then  
21 it just didn't work and I had to call him like three times and nothing panned out.  
22  
23

24 This subsequently emphasises how beneficial socialbots can be to young adult consumers,  
25 due to the elimination of long waiting times. Moreover, Laura reports that speaking to a robot  
26 is a positive experience, as it minimises any potential discomfort in the interaction with a  
27 human:  
28

29  
30 Laura: It's so much better talking to the bot you don't have to listen to someone and  
31 you can convince yourself that it's not a real person and you're fine.  
32

33 Communication with a bot can have positive implications, as the fears of negative judgments  
34 from human-to-human interaction may restrain people in their communication (Ho et al.,  
35 2018). Consequently, previous negative experiences of other touchpoints lead to an increased  
36 usage of the socialbot as a customer service.  
37  
38

39 Contrastingly, other participants demonstrate an uncertainty of speaking to robots and a  
40 need for human interaction, especially if the issue is one of complexity. Frank and Kathryn  
41 (see Table 2) prefer human interaction for issues that they believe to be too complex for a  
42 socialbot:  
43  
44

45 Frank: I think it [the socialbot] would be more for information based stuff. Not for  
46 returns; not for returning stuff, not for complaints about a product because I think  
47 that needs more of a human element to it. Whereas, the informational side of it, I  
48 think that chatbots, at least in my experience with it, they do it really well.  
49  
50

51 The participants do, however, still acknowledge the value of a socialbot when requiring a  
52 quick response. This finding supports the continual use of human-led customer services but  
53 also indicates that providing the customer with a choice of channels through which to  
54 interact, may create the most value. In other words, the socialbot as a touchpoint is of  
55 greatest importance to the consumer when email and phone calls are also available.  
56  
57

58 A further finding and the fourth theme of the *optimised complaint management* experience  
59 is how the use of socialbots by firms can change and improve the relationship that they have  
60

1  
2  
3 with their customers. For example, Rachel articulates that “before I [she] would never phone  
4 and ask questions, but I [she] would definitely be more likely to ask questions now that they  
5 [socialbots] are there.” This offers the firm an opportunity to rectify problems that consumers  
6 have with products or services. Molly mentions how socialbots increase the likelihood of her  
7 contacting the firm:  
8  
9

10 Molly: I would say I’m probably more likely to make complaints and things if socialbots  
11 are available just purely because I don’t like speaking on the phone. I know a lot of  
12 other people are like that, so it probably does encourage more people to get help with  
13 products or complain about that.  
14  
15

16 The young adult consumers, through socialbots, develop the confidence to make complaints  
17 about a product or service, which could otherwise be a situation in which they may feel judged  
18 (Ho et al., 2018). For instance, *optimised complaint management* (Figure 1) identifies a post-  
19 purchase issue with the delivery of a product. The socialbot was able to fix the problem,  
20 resulting in a shift in the consumer’s opinion of the business. Moreover, having a friendly  
21 interaction when dealing with a complaint helps rectify the negative experience. In this  
22 example and Angela’s experiences (see Table 2), the end feeling the consumer has towards  
23 the business is a positive one, as the socialbot is able to solve the problem. Socialbots  
24 therefore provide businesses an opportunity to resolve any issues and satisfy the customer  
25 post-purchase.  
26  
27  
28  
29

30 The final theme is how the innovative nature of the technology and how well it is programmed  
31 can impact perceptions of the brand and consequently, change the relationship that the  
32 consumer has with the brand. Nicola and Alex (see table 2) both explain how they value the  
33 innovation that socialbots provide:  
34  
35

36 Nicola: I think I would like the business more as well because I would feel like they  
37 have put a bit more effort into their customer services if they had a personalised  
38 conversation [from the socialbot].  
39  
40

41 The *optimised complaint management* experience (Figure 1) indicates that even when young  
42 adults prefer human-to-human customer services or find socialbots a bit basic, they still  
43 admire the innovative nature of the firm to include the technology. In summation, socialbots  
44 offer an efficient customer service for customers to solve any issues, and thereby businesses  
45 are given the opportunity to rectify any negative emotions that the customer has developed.  
46 Bringing a customer service platform to SNS offers convenience and innovation to the  
47 customer, as firms are changing relationships and making it easier for customers to make  
48 contact.  
49  
50

### 51 *Company controlled information sharing*

52  
53  
54 *Company controlled information sharing* is the second most frequent journey identified from  
55 the data. This journey involves the pre-purchase acquisition of information about a product  
56 or service, whilst using the socialbot as a touchpoint (see Figure 2). The user’s choices and  
57 responses lead to suggestions made by the socialbot, which can result in a multitude of  
58 different outcomes. For example, Angela recalls engaging with Spotify’s socialbot and  
59  
60

1  
2  
3 answering questions about her music taste, which results in the bot recommending specific  
4 playlists and albums. Kathryn also experiences this with Dr Oetker, where the socialbot asks  
5 her pizza preferences and gives a recommendation on what pizza she should purchase: "It  
6 recommends what pizza to buy and presents it in this animated video." Finally, Frank shares  
7 his experiences of looking for vitamins and the bot asking him tailored questions leading to a  
8 specific recommendation:  
9

10  
11  
12 Frank: It was a vitamin product. So I was looking firstly on the pure gym deals website  
13 and then I came across this vitamin thing and then I went in and what popped out was  
14 actually really interesting. There was this chatbot thing. If it wasn't for the chatbot I  
15 probably wouldn't have even gone through the whole process of looking at things [the  
16 vitamins] but because it was a chatbot I actually tried the whole thing [question and  
17 answer process] and went through the whole thing and actually at the end, it actually  
18 recommended what vitamins I should take and what lifestyle changes I should do.  
19

20  
21  
22 In this situation, the socialbot enables the firm to take control of the information searching  
23 phase of a customer journey. The consumer chooses to engage with the socialbot to gather  
24 information about the product or service due to the availability, ease and instant  
25 communication provided, however, this process also means that the firm can purposely  
26 choose which information to provide the consumer. This creates the illusion that the user has  
27 free will but realistically the brand-owned socialbot has an agenda as to which decision the  
28 consumer makes.  
29

30  
31 [INSERT FIGURE 2]  
32

33  
34 The first theme identified within *company controlled information sharing* is the ease of  
35 information gathering during the exchange, which provides young adults with an enhanced  
36 customer experience. For instance, Angela identifies how having communication pre-  
37 purchase, provides her with instant information resulting in a smooth transition into the  
38 purchasing stage, whilst being fully informed on what to buy:  
39

40  
41 Angela: I think it would probably encourage me [to shop with the brand] just because  
42 I know I can have instant access of information and have the instant gratification type  
43 of thing.  
44

45  
46 Whilst Frank (see Table 2), also mentions how the information a socialbot delivers pre-  
47 purchase can help him find a product that meets his needs. By creating contact in the pre-  
48 purchase, information searching phase of a customer journey, firms are able to recommend  
49 and provide products and services that are tailored to the individual.  
50

51  
52 The second theme within *company controlled information sharing* is how the socialbot acts  
53 as a consistent touchpoint throughout the customer experience, enhancing the purchase  
54 likelihood. For instance, in Figure 2 the socialbot is initially interacted with for pleasure but  
55 then it asks questions and recommends products or services to the consumer; the consumer  
56 then has a positive experience and uses the socialbot for future recommendations from the  
57 brand. Bill demonstrates the value in being guided through the entire customer journey by a  
58 socialbot:  
59  
60

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3 Bill: For the customer [the socialbot is] a very important part because otherwise  
4 there's, there's such a discrepancy between the customer and the company and you  
5 don't have any point of contact, except for when you pay in and when you get the  
6 product. But if you have the possibility [of using a socialbot], then it's like a guide  
7 throughout the whole purchase process.  
8  
9

10 Furthermore, Rory (see Table 2) highlights the value of being able to use socialbots to  
11 communicate with the company throughout his customer journey. Socialbots therefore  
12 provide a means for firms to offer an open channel of communication and transparency to  
13 customers, which in turn strengthens their relationship and builds customer loyalty.  
14  
15

16 The final theme emerging is that, as a result of the instant and continuous communication  
17 socialbots provide, the purchase stage of the customer journey becomes less significant. This  
18 is due to consumers receiving the instant information that they need to make a purchase  
19 decision, therefore accelerating the purchase stage and encouraging consumers to buy more  
20 frequently. Figure 2 demonstrates that because of the socialbot's answers produced in the  
21 purchase stage, the decision to buy the product or service is made quickly and impulsively.  
22 Kim reinforces this with her experiences:  
23  
24

25  
26 Kim: It's [the socialbot has] probably taken time off of searching for questions or going  
27 shopping but in another sense that's probably just led me to spend more money.  
28  
29

30 Murray also mentions how socialbots can automate the purchase decision, hence reducing  
31 the purchase decision making time (see Table 2).  
32

33 In this instance, socialbots are easy to use and provide obtainable information, which creates  
34 a positive emotional response, encouraging young adult customers to buy impulsively. As a  
35 result, socialbots alter the relationship between young adult consumers and businesses.  
36 Potential customers now ask more questions about products to gather information, which  
37 leads to further purchasing and impulse buying. Furthermore, the open communication  
38 channel, available continuously throughout the journey, increases trust, which shortens the  
39 purchase decision. The socialbot experience therefore provides an opportunity for firms to  
40 build a strong customer relationship and take control over the information gathering phase.  
41  
42  
43

#### 44 *Personalisation through data mining*

45  
46 *Personalisation through data mining* refers to the final customer journey involving the  
47 socialbot as a touchpoint. The socialbot technology uses information from the customer's  
48 social media profile in order to deliver promotions and personalised responses. In other  
49 words, the journey refers to when data mining is used for promotion or personalisation, which  
50 results in the consumer purchasing a product or service (see Figure 3). An example from the  
51 data is Nick's experience, where the socialbot uses his location during the interaction:  
52  
53

54 Nick: I liked Just Eat on Facebook and then they sent me a quiz and it was like if you  
55 get the question right you win 20% off...you can click things on the bot like inspire me  
56 and it will give you places near you.  
57  
58  
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1  
2  
3 Nick's experience with Just Eat continues into the post-purchase stage, where he is constantly  
4 receiving notifications.:

5  
6 Nick: The just eat one always nudges you like reminding you that just eat is there and  
7 reminding you to get a take away.  
8

9  
10 [INSERT FIGURE 3]

11  
12 *Personalisation through data mining* may be beneficial to firms but it is also important to  
13 identify whether value is created for customers. For instance, the majority of the participants  
14 state that socialbots greet them by name, with the aim of establishing a relationship. The first  
15 theme within the journey is therefore how personalisation can humanise a business. In table  
16 2, Laura mentions that socialbots try and act as a friend whilst Jack articulates the importance  
17 of conversation:  
18

19  
20 Jack: I always think if you have a bit of banter with someone on the phone it makes it  
21 more enjoyable rather than it being boring. So I guess it was kind of the same thing  
22 when you are chatting with a socialbot, it's better when you have a bit more  
23 conversation.  
24  
25

26 Nevertheless, not all participants agree that the tailored approach is a major influencing  
27 factor and tend to see through the insincere personalisation strategy, which is the next theme  
28 identified from *personalisation through data mining*. Alex states very clearly that he is not  
29 impacted by the socialbot experience:  
30

31  
32 Alex: I know when they are trying to sell you things. They use your name because it's  
33 supposed to establish a connection with you and stuff but for me I'm not really that  
34 bothered.  
35

36  
37 As participants agree that the principal benefit of socialbots is having quick responses to their  
38 questions or problems, they concur that if exchanges are filled with social interaction this may  
39 take up unnecessary time. For example, some companies include jokes or emojis in the  
40 conversation, however, several participants expressed their dislike of socialbots showing this  
41 emotional intelligence. Adam felt that businesses using emojis made him feel uncomfortable:  
42

43  
44 Adam: Just when companies use emoji's and businesses use emoji's I think I just  
45 cringe.  
46

47  
48 Chloe and Kim (see Table 2) share the discomfort they feel about robots trying to be humans  
49 by stating that they can be "creepy":

50  
51 Chloe: It's always a bit creepy to talk to robots I think.  
52

53 Furthermore Figure 3 identifies that too much interaction between the socialbot and the  
54 customer, can have a negative impact on the overall impression of the brand. In this example,  
55 the socialbot continues to send promotions to the user, which are perceived to be irritating.  
56 In other words, a socialbot as an ATP can provide value but it needs to be utilised by the firm  
57 in a way that corresponds with customer motivations and expectations. Providing a customer  
58 service, knowledge service, fun quizzes, interactive promotions and personal touches seem  
59  
60

1  
2  
3 to be well received by the young adult consumers. However, when the customer is not in  
4 control of these interactions, such as receiving continuous promotion notifications, the  
5 positive effect of the socialbot may be lost and the interactions can negatively impact the  
6 perception of the brand.  
7  
8

### 9 **Contributions and future direction**

10  
11 The findings indicate that when brands use socialbots to interact with young adult consumers,  
12 this automated touchpoint (ATP) can influence the value equity and relationship equity  
13 drivers of customer equity. Firms place a considerable amount of attention on interacting  
14 with their customers due to the impact that this has on the retention of customer equity  
15 (Debnath et al., 2016). Furthermore, having a good customer relationship generally enhances  
16 the duration of the profitable affiliation and helps in building long lasting relationships  
17 (Alamgir and Uddin, 2017). By providing an alternative channel of communication through  
18 SNS, socialbots have changed how consumers converse with firms; young adults are now  
19 encouraged to interact more frequently and are no longer passive in their journey with the  
20 firm. Instead, this segment decide themselves when to engage through a highly accessible  
21 and often preferred channel of communication.  
22  
23  
24  
25

26 This paper therefore proposes that socialbots, as an ATP along the customer journey, can  
27 influence customer equity. For example, socialbots influence the value that consumers place  
28 on the firm. Firstly, the *optimised complaint management* experience indicates that quick  
29 responses and availability of socialbots on SNS provide young adults with a convenient  
30 channel of communication, which they value for customer services (Kaczorowska-Spychalska  
31 2018). Convenience is a sub-category of value equity, within the customer equity framework  
32 (Lemon et al., 2001) and therefore the convenience of socialbots could enhance the overall  
33 customer equity. Secondly, socialbots encourage perceptions that the firm is innovative and  
34 investing in new technologies, which can also improve value equity (Lemon et al., 2001) and  
35 brand trust (Grayson et al., 2008).  
36  
37  
38  
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40 Furthermore, as socialbots provide a channel of communication, which is continuous  
41 throughout the customer journey and offer young adults the confidence to communicate  
42 more frequently with the firm; this allows the firm to rectify any problems and alter negative  
43 emotions (Ou and Verhoef, 2017). Relationship equity is therefore enhanced by young adult  
44 customers communicating more frequently due to the preference of using a socialbot over  
45 email and phone-based customer services. It is also maintained by the continuous presence  
46 of the socialbot throughout the customer journey, as indicated in *company controlled*  
47 *information sharing* and *personalisation through data mining*. Consequently, there is scope  
48 for future studies to focus on ATPs within customer journeys and how these touchpoints  
49 impact the drivers of outcome measures such as customer equity. Lemon and Verhoef (2016)  
50 call for further research linking the customer experience with outcome measures. This study  
51 has therefore provided a qualitative basis of how socialbots interact with the customer  
52 experience but further quantitative research is required to test the impact that ATPs have on  
53 customer equity.  
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3 Lemon and Verhoef (2016) also note that when touchpoints are technology based, there are  
4 blurred lines between brand-owned and partner-owned touchpoints. It is therefore  
5 important to introduce ATPs as a separate touchpoint along the customer journey, to  
6 decipher how they interact with brand-owned, partner-owned, customer-owned and  
7 social/external touchpoints. For instance, this research discovered that participants would be  
8 more likely to use socialbots if they had had previous negative experience of sending emails  
9 to firms and speaking to customer services. Socialbots, however, only achieve optimum  
10 success as an ATP if they are available alongside the more traditional methods of  
11 communication. The research demonstrates that participants use socialbots for less  
12 important issues but when the problem reaches critical mass or is too complex for a bot,  
13 speaking to a human becomes the preferred touchpoint, which is in correspondence with the  
14 work of Cerf (2015). This paper therefore introduces the socialbot as an alternative  
15 touchpoint and proposes that the ATP should be included within future customer journey  
16 frameworks to account for the differences of AI and automated technology to other more  
17 traditional touchpoints. Further research should investigate other AI as ATPs, which would  
18 enhance customer experience research within the digital, technology driven society.  
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25 The socialbot as an ATP has a significant impact on the young adult customer journey, which  
26 could enhance customer equity, but it is still unclear whether this new technology has a long  
27 lasting positive effect on the customer's experience. The data reveals negative emotions,  
28 especially relating to *personalisation through data mining*, such as annoyance with  
29 continuous notifications post-purchase, creepiness of the socialbot during purchase (Ostrom  
30 et al., 2019) and a reduction in the free will of the customer's information searching in the  
31 pre-purchase phase. Consequently, there is scope for future research to explore the dark side  
32 of socialbots to see if there is a long term negative effect on the consumer. Mick and  
33 Fournier's (1998) technology paradox theory could provide a valuable framework in which to  
34 evaluate the potential detrimental impact of the technology. They identify eight paradoxes  
35 relating to technology use (e.g. freedom/enslavement) and the impact of experiencing these  
36 paradoxes on conflict, anxiety and developing coping strategies. In this instance, young adults  
37 may develop a dependency on the socialbot for online purchases, which provides both  
38 freedom to purchase anything at any time but also a reliance on SNS and the socialbot, which  
39 could be classed as enslavement (Mick and Fournier, 1998).  
40  
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#### 45 *Managerial implications and limitations*

46  
47 This study has produced several meaningful implications at the management level. The  
48 investigation has provided interesting insights into how valuable socialbots are as a customer  
49 service to firms targeting the young adult segment. For instance, the instant nature of the  
50 communication encourages customers to use the technology and the fact it was not a human-  
51 to-human interaction increases confidence. As such, customers are more likely to converse  
52 with the firm within their regular SNS setting (Stephen, 2017), which allows problems to be  
53 rectified easily. These problems are generally minor questions or issues and therefore using  
54 a socialbot to manage these queries is an inexpensive customer service strategy for firms to  
55 adopt.  
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3 Socialbots are predominantly used for customer services during the post-purchase phase,  
4 however, this study reveals socialbots are also used for information gathering and promotion  
5 during the pre-purchase and purchase phases. Customer journeys of *company controlled*  
6 *information sharing* and *personalisation through data mining* identify how firms can use  
7 socialbots to effectively increase impulse purchasing and reduce decision making time (Habib  
8 and Qayyum, 2018). Brands influence the consumers' decision making by providing  
9 programmed recommendations, which help control the information searching stage.  
10 Moreover, customer data is used to personalise the service and deliver promotions to the  
11 user, which is beneficial at first, however, too much promotion is detrimental to the  
12 customer's intention to repurchase. This suggests that brands using socialbots beyond  
13 customer services need to be aware that too much personalisation and promotion through  
14 data mining can negatively impact the customer's brand loyalty.

15  
16 Although this research adds to the limited knowledge on socialbots as a customer service, the  
17 study is subject to limitations. Socialbot users participating in this study have been  
18 deliberately selected based on certain characteristics (e.g. age, socialbot experience), and are  
19 therefore not representative of the population. The selective nature of the study does not  
20 include individuals of different age groups and those who are not present on social media.  
21 Furthermore, the research focuses on the socialbot used on Facebook messenger and should  
22 therefore be extended to include socialbots on other platforms and chatbots present on  
23 company websites.

## 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

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<b>Name*</b>	<b>Gender</b>	<b>Age</b>	<b>User Type</b>
Angela	Female	20	Weekly
Laura	Female	22	Daily
Chloe	Female	24	Monthly
Nick	Male	22	Monthly
Adam	Male	21	Daily
Kathryn	Female	21	Monthly
Frank	Male	22	Weekly
Tessa	Female	21	Daily
Rory	Male	21	Monthly
Murray	Male	26	Weekly
Jack	Male	21	Monthly
Alex	Male	23	Weekly
Molly	Female	21	Monthly
Nicola	Female	25	Weekly
Kim	Female	22	Daily
Rachel	Female	19	Monthly
Bill	Male	25	Daily

\* Pseudonym names created for the purpose of the research

Table 1: Participant information including socialbot frequency of use

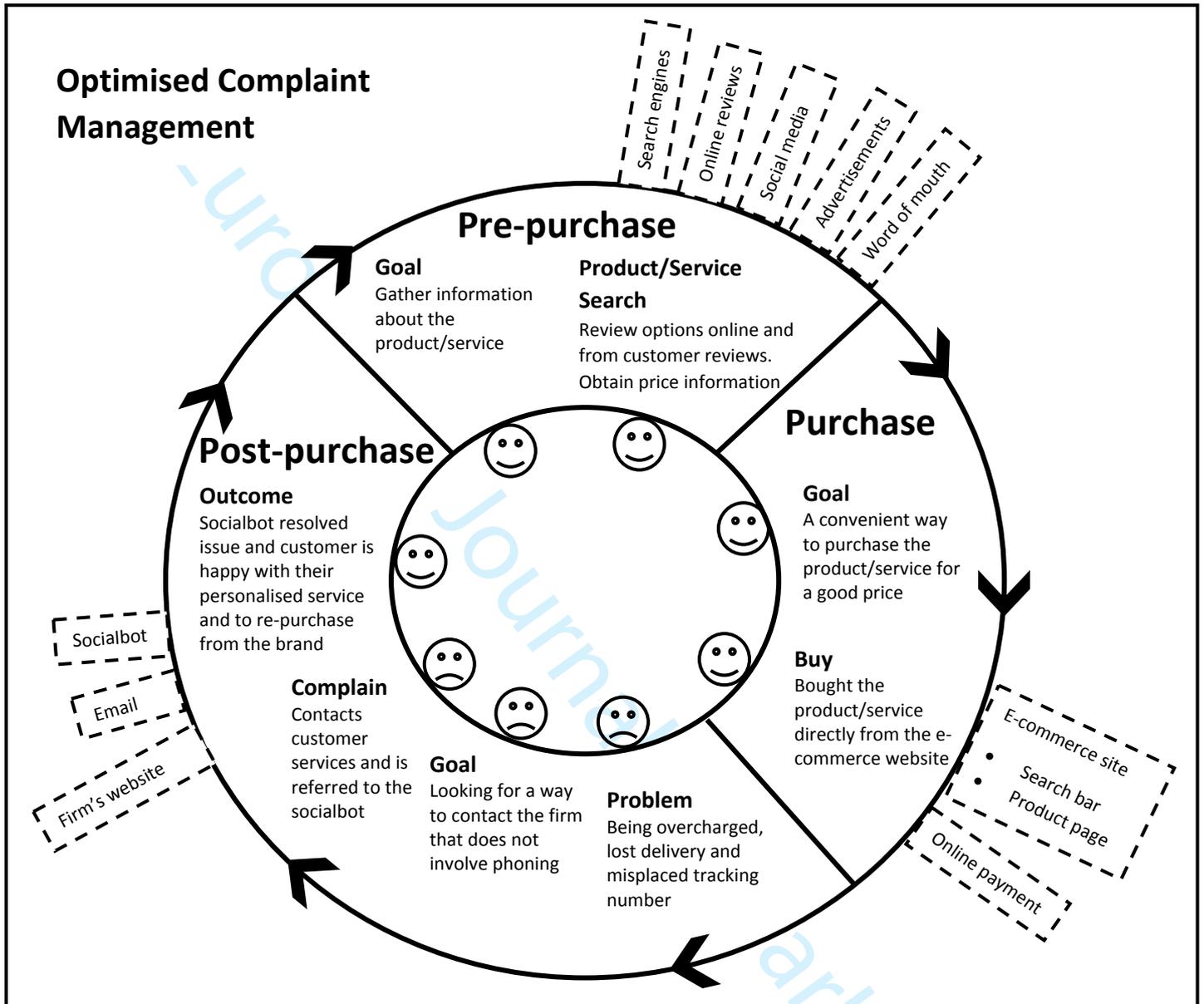
Customer Journey	Coded Theme	Example Quotations
<b>Optimised complaint management</b>	Efficiency of socialbot response	<b>Nicola:</b> It's good that you can just message them straight away and get a quick response back
	Convenience of socialbot customer service	<b>Tessa:</b> Obviously people use messenger all the time anyway so it's good just to be able to go and speak to Adidas or something if you've got an issue. It's quite handy and I think it's a good idea for sure. You know how many customers will probably have a Facebook so it's smart. I think it's a smart move.
	Interaction with other touchpoints	<b>Tessa:</b> I hate like wasting time so and I just hate email. Emails are good but you don't know when they have read it or when they are going to reply whereas on those [socialbots] they are just really instant I just prefer them. <b>Kathryn:</b> I would always prefer to phone someone up or have another person on the end but if it was quicker just to get a quick answer from a bot then I would just do that over a person.
	Changing relationships between customers and the firm	<b>Angela:</b> I think it probably made me like them more just because going back to ASOS, they just fixed it so quickly and there was no need for any stress, just got my money off. So it all worked out and it made me like them better because it was quicker and there was no stress involved.
	Importance of innovation on brand perceptions	<b>Alex:</b> It does kind of annoy me when I see a company that doesn't have a bot, it just has a call number, because I hate speaking to people, I much prefer a socialbot. I would use it again.
<b>Company controlled information sharing</b>	Instant information gathering from the socialbot	<b>Frank:</b> Yes, I think more and more it [using socialbots] will be done, especially with this information thing, it's a really really great way of finding out what you want exactly and what product better serves your customer needs from the customer sides. How you can meet your needs through the product. I think it's a really good way of doing that and I think it will do that better and better in the future.
	Consistency of socialbot throughout the customer journey	<b>Rory:</b> I think being able to communicate with the company throughout the process of, of making a purchasing decision and even after making the purchase, is a very positive thing.
	Socialbots creating ease of purchase	<b>Murray:</b> I think it will completely encompass everything that humans do and how they interact with businesses. It's almost gonna get to the point where I think we will think less about brands and the business and more about saying get me this [a product or service] and it's just gonna be so more automatic.

<b>Personalisation through data mining</b>	Socialbot personalisation humanising the firm	<b>Laura:</b> They always act like they're your friend in some way and like you are just messaging your friend asking about something.
	Insincere socialbot personalisation	<b>Kim:</b> Machines aren't necessarily meant to have a personality, so I think that would make me slightly uncomfortable.

Table 2: Results of the thematic analysis

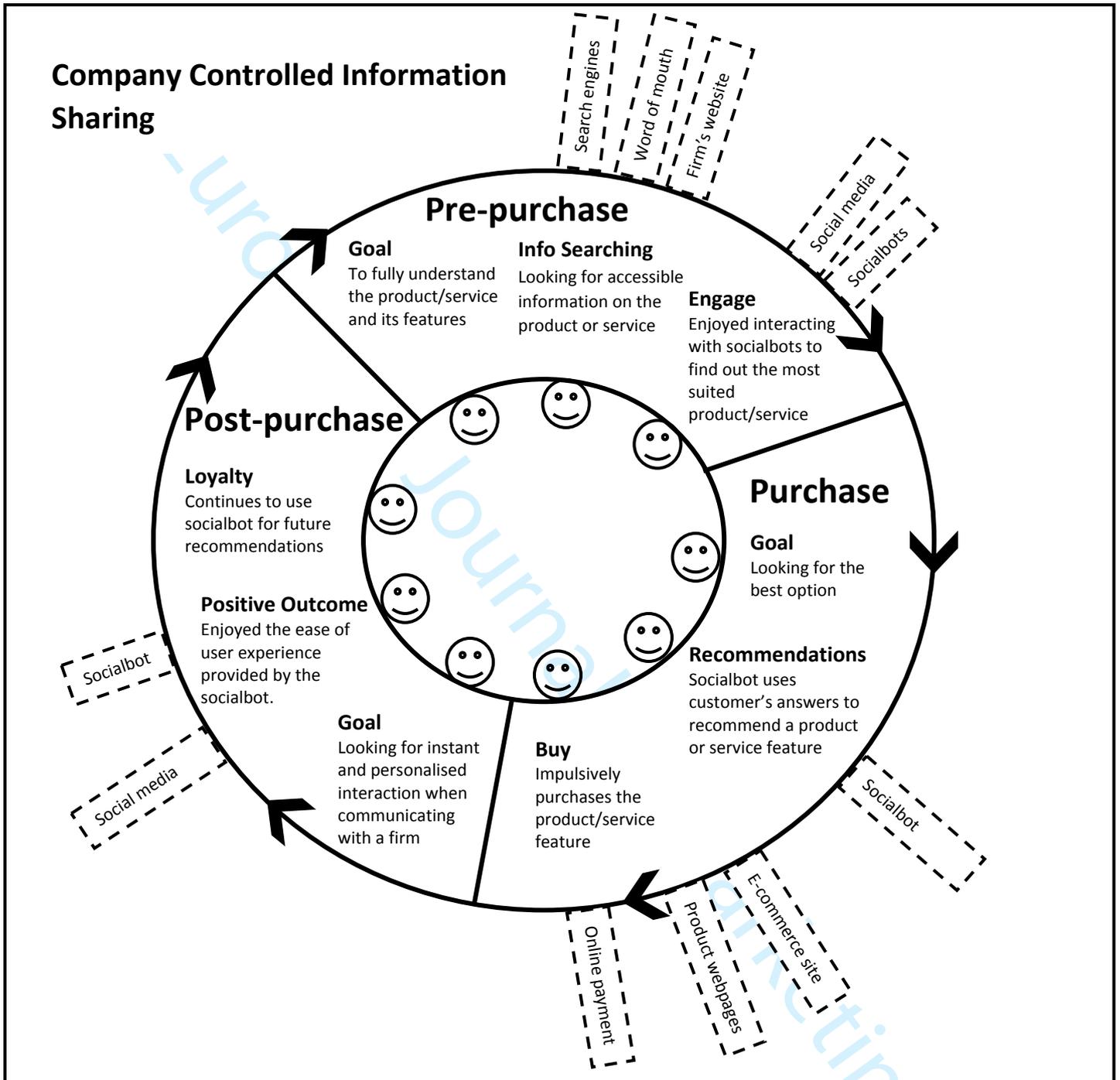
European Journal of Marketing

Figure 1: Optimised complaint management



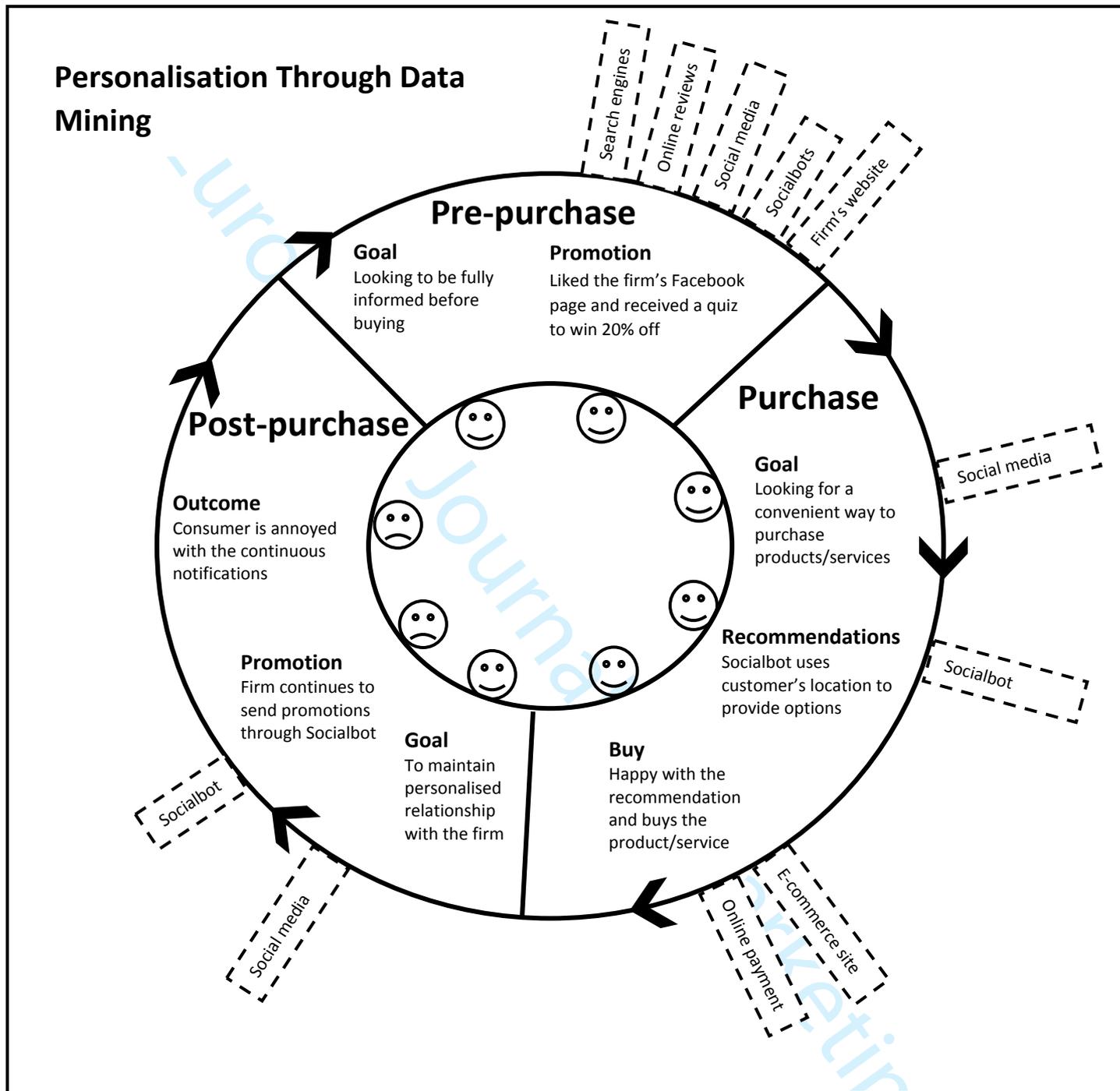
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Figure 2: Company controlled information sharing



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Figure 3: Personalisation through data mining



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3 Reviewer(s)' Comments to Author:  
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5 Reviewer: 1  
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9 Recommendation: Minor Revision  
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12 Comments:  
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14 Thank you for the revision. I wish the authors had done a more detailed presentation of the revisions  
15 with each reviewer comment listed with a response. It was quite difficult to follow along with the  
16 generic letter and the new document. With that said I appreciate the work the authors have done to  
17 the paper. As mentioned above, I find the biggest issue are the three metaphors/ pop-culture names  
18 they have chosen for the findings/ themes. It is an unnecessary practice that may alienate some  
19 readers instead of using more descriptive names.  
20  
21

22 Thank you for appreciating the changes. I have now placed reviewer comments and my responses in  
23 one document at the end of the paper. Hopefully this will make the changes easier to follow. My  
24 apologies for not doing this before. I completely understand that the pop-culture references may  
25 alienate readers and so these have now been changed to reflect the nuances in the customer  
26 journey. The three names have been changes as follows:  
27  
28

- 29 • I,Robot has been changed to *optimized complaint management*
  - 30 • Bandersnatch has been changed to *company controlled information sharing*
  - 31 • Big Brother has been changed to *personalisation through data mining*
- 32

33 P. 2 line 46 1.250 million is 1.25 billion if you are referring to 1,25 million that is different. Please  
34 clarify.  
35

36 Thank you for spotting this. The figure on P. 2 line 46 has now been changed to 1.25 billion.  
37

38 P. 2 line 53 what do you mean with "shift from e-commerce to social shopping" Not clear.  
39

40 P. 2 line 53, an example has now been provided in brackets, which provides more detail on what is  
41 meant by social shopping  
42

43 P. 2. line 55 With present absences in knowledge? Clarify.  
44

45 P. 2. line 55, this has now been changed to 'There are few studies relating to the value that  
46 socialbots create for the consumer' to provide more context behind absences in knowledge.  
47

48 P. 4 line 19 sensorial do you mean sensory?  
49

50 P. 4 line 19. Yes it was meant to say sensory. Thank you for spotting this, it has now been changed.  
51

52 P. 6 line 27 Socialbots are relatively new tools.  
53

54 P. 6 line 27 has been changed to the suggestion by the reviewer– thank you for the suggestion  
55

56 P. 12 quote by Kathryn sounds contradictory.  
57

58 The quote on P12, which was originally by Kathryn has now been altered to a quote by Frank, which  
59 is less contradictory and highlights the point more.  
60

P. 16 spell out ATP

On page 16, at the beginning of the contributions section, ATP has spelled out to introduce the acronym for the remainder of the section

Additional Questions:

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1. Originality: Does the paper contain new and significant information adequate to justify publication?: Yes.

2. Relationship to Literature: Does the paper demonstrate an adequate understanding of the relevant literature in the field and cite an appropriate range of literature sources? Is any significant work ignored?: It is adequate.

3. Methodology: Is the paper's argument built on an appropriate base of theory, concepts or other ideas? Has the research or equivalent intellectual work on which the paper is based been well designed? Are the methods employed appropriate?: More detail has been added.

4. Results: Are results presented clearly and analysed appropriately? Do the conclusions adequately tie together the other elements of the paper?: Yes. However, I think more descriptive themes instead of the pop culture references may be better understood by readers. For instance Big Brother could be referred to as Privacy and surveillance.

Thank you for your comments, the themes have now been changes to be more descriptive. You can see these changes from page 9 and throughout the remainder of the document. These are how the themes have been altered:

- I,Robot has been changed to *optimized complaint management*
- Bandersnatch has been changed to *company controlled information sharing*
- Big Brother has been changed to *personalisation through data mining*

5. Practicality and/or Research implications: Does the paper identify clearly any implications for practice and/or further research? Are these implications consistent with the findings and conclusions of the paper?: I struggle a bit with the pop-culture chosen themes chosen to present the findings and how this relates to practical implications. I think the authors can do a better job at fleshing this out.

The altered themes are more descriptive, they have therefore been fleshed out, which straight away makes the themes more relatable to the practical implications suggested on page 17-18.

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5 6. Quality of Communication: Does the paper clearly express its case, measured against the  
6 technical language of the fields and the expected knowledge of the journal's readership? Has  
7 attention been paid to the clarity of expression and readability, such as sentence structure, jargon  
8 use, acronyms, etc.: Some quotes reads a bit odd but I think that is due to the translation so I think  
9 looking at these again to make sure they make sense is needed (e.g., p. 12 line 3-6).  
10

11  
12 The quotes have been re-read and edited where necessary. The conflicting quote on p.12, has now  
13 been changed to a quote by Frank.  
14

15 The manuscript needs proofreading for English languish.  
16

17 The manuscript, tables and diagrams have been proofread for spelling and grammar errors and have  
18 been improved where necessary.  
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