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BUILD UP A MODEL TO EXAMINE THE UTILIZATION OF ONLINE CUSTOMER GROUPS FOR RECOGNIZING THE PARTS THAT FABRICATE PURCHASER DEPENDABILITY FOR AN ASSOCIATION

Build Up a Model to Examine the Utilization of Online Customer Groups for Recognizing the Parts That Fabricate Purchaser Dependability for an Association

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Abstract – Noteworthy explore had been attempted by scientists worldwide as for grouping on the web group typologies, understanding people on the web, the part of online group in forming and affecting individual conduct, the energy of interpersonal organizations et cetera. While examine has been sought after in the areas of CRM, CRM utilizing Online Communities on the web apparently seemed, by all accounts, to be an undiscovered territory. Likewise, utilization of Online Communities as a helpful device for Customer Experience Management was an untouched field. Moving toward a similar web instrument from an Internet Marketing and CRM point of view seems to have been insufficiently taken care of. As a major aspect of my past work in my past association, "Standard Chartered Bank" I have worked with Content information, Contextual information and Analytical information. There are three in a general sense distinctive sorts of CRM data assets Content information, Contextual information and Investigative information. Each requires distinctive apparatuses and strategies for fitting administration and utilize inside a hierarchical CRM methodology. It is the viable combination of data over these assets that drives a hierarchical CRM methodology and related business insight forms.

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INTRODUCTION

This article endeavors to investigate the part of online groups in business-to-purchaser (B2C) spaces in building on the web trust, by examining the measurements of customer interest, life span of discussion nearness, correspondence and buyer status level in the group. For this reason, considers are led on an arrangement of online groups of Apple and relationship and relapse show is connected for 40 item classes.

Associations fabricate online groups as a major aspect of their client relationship administration (CRM) activities. Online trust is emphatically connected with returns on these CRM activities. CRM is centered around focused client portions and successful correspondence and communication with these fragments and clients are straightforwardly identified with online trust. As key shoppers progress toward becoming supposition pioneers in these customer groups, it is imperative for associations to recognize the parts that manufacture reliability of these people. These feeling pioneers can be in this manner utilized by associations to fabricate more noteworthy incentive for their groups, brands and items. Higher the level of saw online trust, more prominent the level of association of different clients, which in the long run prompts more noteworthy returns and financial advantages for the association. Associations need to examine the part of more prominent buyer cooperation and correspondence, which builds dependability of specific customers. There is a requirement for facilitating the suitable substance on a hierarchical activity, which by coordinating shopper prerequisites builds up a connection amongst association and buyer

REVIEW OF LITERATUR

Customer Relationship Management (CRM)

Customer Relationship Management (CRM) is a term that refers to practices, strategies and technologies that companies use to manage and analyze customer interactions and data throughout the customer lifecycle, with the goal of improving business relationships with customers, assisting in customer retention and driving sales growth.

In simple terms, a CRM software helps a business integrate sales, marketing and customer support by analysing customer data. An ideal CRM platform provides you with analysis of sales cycles, marketing campaigns, customer acquisition strategies and other customer interaction metrics – the time spent by the customer engaging with your business, the cost of each transaction, the quantity of products/services purchased and so on.

A CRM platform records raw, unsorted customer information from various channels such as website, E-mail, brick and mortar stores, before disseminating this information along with the insights gained into various departments such as Sales, Marketing, etc.

Customer Experience Management (CEM)

Customer Experience Management (CEM) is the collection of processes a company uses to track, oversee and organize every interaction between a customer and the organization throughout the customer lifecycle. The goal of CEM is to optimize interactions from the customer's perspective and, as a result, foster customer loyalty.

Highlighting the phrase 'customer's perspective' here as it makes all the difference. A CEM platform is engineered to collect experiential data from customers – it involves listening to customers, their feedback and viewpoint and then using this information to discover customer insight and optimize the customer journey accordingly.

A Customer Experience Management platform captures only experiential data and integrates the Voice of the Customer to help Businesses take decisions.

Why is a Customer Experience Management (CEM) platform important?

Most businesses have a CRM system in place whereas it is in the space of CEM that they lag – failing to see its benefits, both today and in the long run.

With customers becoming more aware and demanding day by day, it is their perspective that should be weighed in majorly while developing business strategies. Also, given the amount of competition in the market space, Brands that focus too much on CRM data and turn a blind eye towards customer feedback cannot sustain in the long-term.

It's no longer a monopoly. Even the smaller brands have started creating superior and seamlessly engaging customer experiences that customers want. And that is because, they've begun to prioritize CEM systems that have a clear focus to capture the Voice of the Customer and use it to good effect.

ONLINE COMMUNITY

An online group is a gathering of individuals with some mutual intrigue, who interface and connect with each other after some time. Relationship or some likeness thereof is implied. The beginning of the data age discovered gatherings imparting electronically as opposed to up close and personal. A PC interceded group utilizes social programming to direct the exercises of the members. These are places where individuals accumulate to share learning, fabricate acknowledgment and tap openings. At first detected to be asset pools for esteem expansion, where individuals dared to satisfy their requirement for self-completion, interest in online groups and discussions began as a medium for trade of thoughts and data, and now associations have begun utilizing these groups for promoting through buyer evangelism and support. An electronic correspondence display uses the components of the system for B2C, and distributed correspondence. On the Internet, electronic tribes organized around customer interests have been developing quickly. To be viable in this new condition, supervisors must consider the key ramifications of the presence of various sorts of both virtual group and group participation. Consumers join these gatherings as a result of the multifaceted open doors they give to individuals. Not exclusively do they give data on items and administrations and most recent special plans, they are likewise triggers for advancement.

RESEARCH METHODOLOGY

It diagrams the different measurements of the investigation and research destinations and the arrangement of philosophies adjusted to fulfill those targets. It clarifies in detail the pilot think about led for the recognizable proof of a suitable online instrument for the investigation after a relative investigation of three online devices. Netnography, which is another subjective, interpretive research strategy, that utilizations web enhanced ethnographic research procedures to ponder the on the web groups, has been connected, for the detailing of the examination instrument. Encourage the methods took after for the gathering of information and determination of the specimen of online group purchasers and online group administrators have been delineated. The apparatuses and systems taken after for breaking down the information for the investigation are likewise managed in this segment.

Research Methodology for formulation of Research Instrument

I have applied the research technique of Netnography, which is very specific to the online domain for formulation of two sets of research instruments. Experience is something singular that happens to an individual and researchers cannot directly access (Caru, A. and Cova, B., 2008). Therefore researchers only interpret what their subjects have expressed orally, in writing or through

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their behaviour. Experience becomes more and more important to marketing, however, the methodologies typically used to research experiences, such as interviews and focus groups, have a number of drawbacks such as respondent inhibition (Elliott, R. and Jankel Elliot, N., 2003). Verbatim comments instead, are important for understanding the private nature of the experience to be studied.

Netnography

It is a new qualitative, interpretive research methodology that uses Internet-optimized ethnographic research techniques to study the online communities. With the help of Netnography, the online community research can be done by either actively integrating the members of the community or passively monitoring the community and integrating the gathered information, knowledge and ideas into the new product development process.

SIGNIFICANCE OF THE METHODOLOGY

One of the main benefits of this methodology is the possibility to access unfiltered, unbiased information from very experienced and highly involved users, owing to the huge amount of conversations and the vivid online dialogue regarding consumer products marketing and innovation. Managers are able to obtain deep insights into the everyday problems experienced by consumers and their solutions to those problems.

One of the main expectations of this new technique of research methodology is to utilize a huge number of consumer statements for qualitative analysis, to get unobtrusive and unbiased original consumer statements and to get access to specialized user groups.

Procedure

The following steps and procedures are included in a typical Netnography Research.

1. *Definition of Research field*: It includes the definition of the field of innovation, as well as the systemization of topics, trends, markets and products, which are of major interest. The operating result of the first step is an extensive mind map that contains a classification and structured set of topics, which are used as a starting point to define search strategies for the identification of adequate online sources.

2. *Identification and Selection of Online Communities*: The aim of the second step of Netnography is to identify communities and Internet sources where users exchange relevant information on the defined research area. For this purpose, general online search

engines, meta-search engines and specific online search engines that focus on blogs, groups, communities are used. Having identified and sighted often a couple of 100 relevant online sources for Netnography, the researcher has now to select the communities that can be probed in for further in-depth analysis. There exist a number of appropriate and well-proven qualitative and quantitative criteria that support the researcher in the selection procedure. Qualitative criteria include, for example 'topic focus', 'data quality', 'language type', 'interaction type', 'profile editing'. Quantitative criteria include criteria such as 'number of messages', 'frequency of usage', 'member activity', 'data quantity' or 'interaction level'.

3. *Community Observation and Data Collection*: In this step, the selected online communities are observed by the researcher who immerses in the community. This is accomplished by extensive reading with focus on conversations that are recent, extensively corresponded to, referenced and frequently viewed from the community members. Although before the emergence of the Internet it was necessary for the researcher to participate in the considered group, currently Netnography enables observation and analysis of the consumer communication without active participation. Hence, the approach is a way to unobtrusively study the nature and behavior of online consumer groups. The analysis is conducted in the natural context of the community and thus is free from the bias, which may arise through the involvement of the researcher or experimental research setting.

4. *Data Analysis and Aggregation of Consumer Insights*: The 'thinking' about the 'noticed' and 'collected' online consumer statements is part of the fourth step of Netnography. In this step, the aim is to look for patterns and relationships within and across the collections of consumer statements and to make general discoveries about the subject matter of research. Therefore, the researcher compares and contrasts the collected consumer records in order to discover similarities and differences, build typologies or find sequences.

5. *Community Insights Translation into Product and Service Solutions*: The Netnography process typically does not end with the generation of insights. A major challenge is to transfer the obtained insights into innovative product and service solutions. The

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implications of the results could be for product, brand, target group, as well for the process of communication, for example source for product innovations and product modifications and development of consumer-oriented communication strategies.

Strengths of Netnography

• Revelatory depth of online communication

• Ability to provide interesting and useful conclusions from small number of messages

• Useful for contextualizing the data

• Can be used as a standalone method for tracking the marketing related behaviours of members

• Is based primarily on observation of textual discourse

• Utilizing carefully chosen message threads is akin to "purposive sampling" in market research

Benefits of Netnography to Online Communities

• Greater consumer engagement and participation

• Enhance their value perception

• Co-creation and consumer evangelism

• Relationship building, value creation and commitment

• Refine marketing actions, while reducing the cost of routine sales

• Identification of strategically significant community members

The entree involved identifying the online communities most relevant to my research as well as learning as much as possible about the communities that are identified. The following features were preferred - A more focused, relevant segment, topic, or group with large number of questions¬ Higher traffic of postings¬ Larger numbers of discrete message posters¬ More detailed or descriptively rich data¬ Higher Interactivity between members

Consumer Trustworthiness Regression model using Netnography (CTR)

Research Objective 1: Develop a model to analyze the usage of online consumer communities for identifying the components that build consumer trustworthiness for organisations.

In order to accomplish the first research objective the online marketing research technique of Netnography has been applied and an analysis of 40 different online product communities of Apple and one online community of Dell namely "Ideastorm" has been done.

Netnography of 40 online product communities of Apple

This study aimed to achieve the following:

• To study Electronic Customer Relationship Management in Organisations (E-CRM)

• IT Enabled Relationship Management between organisation and consumer

• Increase consumer engagement, participation, and trustworthiness of participants

• Value creation and consumer commitment

Content Organisation

Content association on the site, is started to empower buyers to see important substance keeping in mind the end goal to initiate more noteworthy shopper interest and for making and keeping up esteem loaded associations with present and potential clients. The typology of substance that pulls in more prominent purchaser intrigue and creates consequent engagement by requesting cooperation and association through remarks should be recognized to empower associations to post content as per buyer receptivity. The online group of Apple - Apple Discussions was utilized for our examination and optional information for around 400 purchasers was gathered for the investigation and further relapse examination was finished.

RESULTS

Consumer Trustworthiness Regression Model using Netnography (CTR)

Netnography of 40 online product communities of Apple

Under this model, the techniques of correlation and regression were applied. The results of a regression model are used to analyze factors contributing to the growth of trust in an online community and for establishing the contribution of the independent variable i.e. 'number of points' to the dependent variable i.e. 'number of views'. The information is subsequently applied for prediction by analyzing how far the dependent variable depends on the independent variable.

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Using Regression Analysis for Prediction

An attempt was made to fit a regression model to the data collected from the online community of iPhone (http://discussions.apple.com/category.jspa?categoryID=204) and a significant linear relationship was observed in the case of iPhone between number of points and number of views. An R2 value of 0.962 was observed in the case of iPhone. Approximately 96 per cent of variation in the number of views was explained by the number of points, calculations done across a set of 10 consumers.

As per regression analysis, a random variable Y called a response variable is treated as a linear function of another variable X called the predictor variable. Thus Y=a+bX, where variance of Y is assumed to be constant, a and b are regression coefficients that specify the Y intercept and slope of line. A reasonably strong correlation was observed between the number of points and number of views. Views further demonstrated an incremental growth trend of 0.352 per unit increase in points. The entire process was repeated for 40 product communities of Apple.

My previous study had shown that

1.   High correlation is observed between number of views and number of points. The participant points accumulated are a function of member posting; however, a high correlation between participant participation appears to lead to not only increased reciprocity, but also significantly increased trustworthiness of the community members.

2.   There was no significant correlation observed between days since registration and views. Hence, the parameter of longevity is eliminated, as per my previous study.

3.   The regression equation for iPhone is hence Y=4069.859+0.352X, where the expected number of views (Y) can be predicted by including the value of number of points (X) in the above given equation.

4.   The Pearson correlation coefficient (r) was calculated among the number of points and views across all 40 product communities of Apple. The substantial value of correlation coefficient indicated that there is a significant relationship between the number of points and views across 31 product communities, that is, in 78 per cent cases.

5.   A significant value of R2 is observed in over 33 product communities, which comprised 83 percent of the cases, and regression models could be applied to most of the cases, where the expected number of views (Y) can be predicted by including the value of number of points (X) in the above-given equation.

REFERENCES

Adelaar, T. (2000). "Electronic commerce and the implications for market structure: The example of the art and antiques trade", Journal of Computer Mediated Communication, Vol 5, No.3, Retrieved 25 June 2004 from http://www.ascusc.org/jcmc/vol5/issue3/adelaar.htm.

Buttle, F., (2001). "The CRM Value Chain," Marketing Business, p.p 52–55 Retrieved January 25, 2008 from www.wtcbrescia.it/upload/0-FButtleCRMvalchain.pdf.

Buttle, F., (2009). "Customer Relationship Management: Concepts and Technologies," First edition, Oxford, Elsevier Butterworth Heinemann, ISBN 978-1- 85617-522-7.

Constantinides E. and Fountain J. Stefan (2008). "Web 2.0 Conceptual foundations and marketing issues" Journal of Direct, Data and Digital Marketing Practice,Vol 9, p.p 231–244. doi:10.1057/palgrave.dddmp.4350098.

Dirk, Z. (2008). "Towards an integrated framework of key account management", Journal of Business & Industrial Marketing ,Volume 23,Number 5 ,p.p 323-331.

Dodds B. William, Monroe B. Kent, (1985). "The Effect of Brand and Price Information on Subjective Product Evaluations", in Advances in Consumer Research Volume 12, eds.

Farquhar, J. and Rowley, J, (2006). "Relationships and Online Consumer Communities", Business Process Management Journal, Volume 12 Number 2, pp.162-177.

Foxall, G. R., and James, V. K., (2003). "The behavioural ecology of brand choice: How and what do consumers maximize", Psychology & Marketing, Volume 20, Number 9, pp. 811-836.

Gartner group. (2008). "Worldwide CRM Software Market to Grow 14% in 2008(online), Available at http://www.gartner.com/it/page.jsp?id=653307.

Hanson Ward and Kalyanam Kirthi (eds.) (2007) "Networks-Internet Marketing and e

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commerce", ISBN-13: 9780324422818 Thomson South Western.

Hobby, J., (1999). "Looking After the One Who Matters," Accountancy Age, pp. 28–30.

Humphreys, P., Samson, A., Roser, T., and Cruz Valdivieso, E. (2009) "Co creation: New pathways to value" London: LSE Enterprise.

Kalyanaram, Gurumurthy and Winer S. Russell, (1995). "Empirical generalizations from reference price search", Marketing Science, Volume 14, Number 3, Part 2 of 2.

Kozinets, R. (1999). "E-tribalized marketing: the strategic implications of virtual communities of consumption", European Management Journal, Vol. 17(3), pp. 252-264.

Kozinets, Robert V. (2002). "The Field Behind the Screen: Using Netnography for Marketing Research in Online Communities, "Journal, Vol. 39, Number 4, pp. 61-72.

Lee, G.K., and Cole, R.E. (2003). "From a Firm-Based to a Community-Based Model of Knowledge Creation: The Case of the Linux Kernel Development", Organization Science, Vol 14 No. 6, Nov-Dec, pp. 633-649.

Lynch G. John, Ariely Dan, (2000). "Wine Online: Search Costs Affect Competition on Price, Quality, and Distribution", Marketing Science, Volume 19, Number 1, pp. 83-103.

O'Malley, L. and Tynan, C. (2000). "Relationship marketing in consumer markets: rhetoricor reality", European Journal of Marketing, Volume 34, Number 1, pp. 717-815.

Pan and Lee. (2003). "Using E-CRM for a Unified View of the Customer", New York, NY: ACM Press 0002-0782/03/0400.

Peppers, Rogers and Dorf (1999). "Is Your Company Ready for One-to-One Marketing"Harvard Business Review, 77, pp. 151–160.

Robert Peterson., Sreedhar Balasubramanian., and Bronnenberg J., Bart (1997). "Exploring the Implications of the Internet for Consumer Marketing," Journal of the Academy of Marketing Science, Volume 25(4), pp. 329-346.

Shimp, T. A., Dunn, T. H., and Klein, J. G, (2004). "Remnants of the U.S. Civil War and modern consumer behavior", Psychology & Marketing, Volume 21, Number 2, pp. 75-91.

Shin Namchul, (2001). "Strategies for competitive advantage in electronic commerce",Journal of Electronic Commerce Research, Volume 2, Number 4.

Tanner, Jr., John, F., Ahearne, M., Leigh, T. W., Mason, C.H. and Moncrief, W.C., (2005). "CRM in Sales Intensive Organizations: A review and future directions," Journal of Personal Selling and Sales Management, Vol.25, No.2, pp.169-180.

Tellis J. Gerard, (1986). "Beyond the many faces of price: An Integration of Pricing Strategies", Journal of Marketing, Volume 50, Number 4, pp. 146-160.

Thompson and Baril Cats William, (2002). "Information Technology and Management", 2nd edition, Mc Graw-Hill, ISBN 0072315326, 9780072315325.

Venkatesan R. and V. Kumar., (2004). "A Customer Lifetime Value Framework for Customer Selection and Resource Allocation Strategy", Journal of Marketing, Vol.68, pp. 106-125.

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