

應用線上服務品質創造顧客知覺價值-以線上團購為例

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摘要

2010年全球最大團購網站Groupon進入台灣市場，改變團購市場的風貌，Groupon-Like團購型態成為主流。然而團購市場漸趨飽和，提供顧客真正所需，才能與顧客建立長久關係。近來，顧客知覺價值在市場策略的領域受到相當多的重視，因為其在預測採購行為上扮演著一個重要的角色，達到足以影響企業在市場上的競爭力。本研究將以Collier and Bienstock (2006)量測電子零售商服務品質的三構面，過程品質、結果品質及服務補救品質發展出適合測量團購網站的量表，探討團購網站利用線上服務品質創造顧客知覺價值的各項因素。以線上問卷與紙本問卷等二種方式收集樣本，共回收409份有效樣本。並利用SPSS和AMOS軟體進行敘述性統計分析、因素分析、信效度分析及結構方程模式等研究方法進行資料分析驗證。實證分析結果顯示：(1)過程品質正向影響顧客知覺價值；(2)結果品質正向影響顧客知覺價值；(3)服務補救品質正向影響顧客知覺價值。根據實證研究結果建議團購網站，應該致力於提升網站線上的服務品質，創造顧客知覺價值。

關鍵詞：顧客知覺價值、服務品質、過程品質、結果品質、服務補救品質

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中文文獻 李德治、童惠玲 (2010)。多變量分析。台北市:雙葉圖書出版股份有限公司。 吳明隆、涂金堂 (2007)。SPSS與統計應用分析 , 台北市:五南圖書出版股份有限公司。 林正弘 (2006)。主購信任度與認知風險對線上集購行為影響之研 究。國立中山大學資訊管理研究所碩士論文。 郭竹屏 (2006)。顧客價值與轉換成本對拍賣網站忠誠度之實徵研 究 楊璧瑜 (2011)。《台灣團購網站的現況與趨勢發展》, 商業發展研 究院。 楊雅婷 (2010)。《影響網路團購之顧客滿意度與忠誠度及其前置因 素之研究》 蕭文龍 (2009)。多變量分析:最佳入門實用書第二版。台北市:碁峰資訊。 電子媒體 吳思華 (1996)。策略九說。台北:麥田。 頁50。 鄭緯筌 (2012)。GoodLife:2011年臺灣團購市場走勢分析。 資策會 , 電子商店經營管理指引 , 1997 , 台北:經濟部商業司。 黃詩涵 (2012)。團購淘汰賽開打 LivingSocial出新招。電子商 務時報。取自 <http://www.ectimes.org.tw/Shownews.aspx> 莊郁茹 (2011)。O2O團購戰況激烈 PChome推Liker出征。電子商 務時報。取自 <http://www.ectimes.org.tw/Shownews.aspx> 劍市際研究顧問。劍市際月刊報告書 , May2011 。取自 <http://news.ixresearch.com?p=2514> 資策會MIC研究報告 (2011)。2011年團購快速成長手機購物潛 力商機。取自 <http://mic.iii.org.tw/asp/pressroom/> 鄭緯筌 (2011)。Special Report:抓住四大趨勢 電子商務全面進 化。中時電子報。取自 <http://mag.chinatimes.com/mag-cnt.aspx?artid=9794> GoodLife 好生活半價團購情報。取自 <http://blog.goodlife.tw/emarketer> 網站:A Bright Future for Daily Deal Sites (March 2011) from <http://www.emarketer.com/> 17P好康 網站 (17life) <http://www.17life.com/> GOMAJI夠麻吉 網站 <http://www.gomaji.com/> Taiwan Groupon台灣 網站 <http://www.groupon.com.tw/> 英文文獻 Anand, K., & Aron, R. 2003. "Group Buying on the Web: A Comparison of Price-Discovery Mechanisms," Management Science,49(11), pp 1546-1562. Anderson,James C., Dipak C.Jain, and Pradeep K.Chintagunta. (1993) " Customer Value Assessment in Business Markets:A State-of-Practice Study, " Journal of Business to Business Marketing, 1(1), pp.3-30. Bagozzi, R.P. & Yi, Y. (1988), " On the evaluation of structural equation models " , Academic of Marketing Science, 16(1) , pp. 74-94. Barber, B. (1983) The Logic and Limits of Trust, New Brunswick, New Jersey: Rutgers University Press. Barclay, D., Thompson, R. & Higgins,C. (1995) " The Partial Least Squares (PLS)Approach to Causal Modeling:PersonalComputer Adoption and Use an Illustration " Technology Studies,2(2), pp:285-309. Barnes, J. G. (2000) . Secrets of customer relationship management: It's All about how you make them feel. New York:McGraw-Hill Inc. Butz, H. E. , & L. D. Goodstein (1996) .Measuring Of Customer Value:Gaining the Strategic Advantage. Organizational Dynamics, 24,pp.63-77. Chang,Hsin Hsin & Wang, Hsin-Wei (2011),"The moderating effect of customer perceived value on online shopping behaviour", Online Information Review, 35(3) pp. 333 - 359 Chang, M.K., Cheung, W. & Lai, V.S. (2005), " Literature derived reference models for the adoption of online shopping " , Information and Management, 42(4) pp. 543-60. Chen, J., Chen, X., & Song, X. 2007. "Comparison of the Group-Buying Auctionand the Fixed Pricing Mechanism," Decision Support Systems, 43(2) pp 445-459. Chen, J., Chen, X., Kauffman, R.J., & Song, X. 2009. "Should We Collude?Analyzing the Benefits of Bidder Cooperation Online Group-Buying Auctions," Electronic Commerce Research and Applications, 8(4) pp. 191-202 Chen, Z. & Dubinsky, A.J. (2003), " A conceptual model of perceived customer value in e-commerce: a preliminary investigation " , Psychology and Marketing,20(4),pp.323-47.Electronic Commerce, Barcelona, Spain, pp.263-264. Cherrington, J. O. and Watson R. R. (eds.), (2002) Handbook of Electronic Commerce in Business and Society,CRC Press, Baca Raton, FL: CRC Press. Collier, J.E. & Bienstock, C.C. (2006), " Measuring service quality in e-retailing " , Journal of Service Research, 80(3) , pp. 260-75. Cortina, J. C. (1993). What is coefficient alpha? An examination of theory and application. Journal of Applied

Psychology, 78(1), pp.98-104. Cuieford, J. P. 4th(Ed.). (1965). Fundamental Statistics in Psychology and Education, New York, NY: McGraw-Hill.

Czepiel, J., Solomon, M. & Surprenant, C. (1985), " The Service Encounter." Lexington: Lexington Books Day,Geogr S. (1990).Market Driven Strategy:Processes for Creating Value.New York :Rree Press Fornell, C., & Larcker, D. F. " Structural Equation Models with Unobservable Variables and Measurement Error: Algebra and Statistics," Journal of Marketing Research, 18(3)1981, pp. 382-388. Garvin, D.A. (1984) , " What Dose Product Quality Really Mean," Sloan Management Review, Volume 26(1), pp. 25-43. Gronroos, C. (1984) , " A Service Quality Model and Its Marketing Implications," European Journal of Marketing, 18(4), pp. 36-44. Gronroos, C. (1988), " Service quality: The six criteria of good perceive service quality," Review of Business, 9(4), pp.10-13. Goodwin, Cathy & Ivan Ross (1992), " Consumer Responses to Service Failures:Influence of Procedural and Interactional Fairness Perceptions," Journal of Business Research,25(September), pp.149-163. Guertin, J., & Nantel, J. (2005, October). The evolution of NETQUAL: The development of measurement model of web users ' perceived added value. Cahier de recherche, pp. 1-30. Gummerus, Liljander Pura & Riel, (2004) " Customer Loyalty to Content-based Web Sites: the case of an online health-care service," Journal of services Marketing, 18(2/3), 175-186. Hair, J.F., Anderson, R.E., Tatham, R.L. & Black, W.C. (1998), Multivariate DataAnalysis, Englewood Cliffs, NJ: Prentice Hall. Han, J. & Han, D. 2001. A Framework for Analyzing Customer Value of Internet Business.Journal of Information Technology Theory and Application, 3(5),pp.25-38. Hart, C. W. L., Heskett, J. L., Sasser, W. (1990), " The profitable art of service recovery," Harvard Business Review, 68(4), pp.148-156. Holbrook, M. B. (1994), " The Nature of Customer Value: An Axiology of Services in the Consumption Experience." In Service Quality: New Directions in Theory and Practices, edited by R. Rust and R. L. Oliver, Sage, CA: Newbury Park, pp.21-71. Holbrook, M. B. (1996), " Customer Value: A Framework for Analysis and Research." Advances in Consumer Research,23(1), pp.138-142. Holbrook M.B. (2006), Consumption experience, customer value, and subjective personal introspection: an illustrative photographic essay,Journal of Business Research, 59 , pp. 714-725. Holloway, Betsy B. & Sharon E. Beatty (2003), " Service Failure in Online Retailing: A Recovery Opportunity," Journal of Service Research,6 (1), 92-105. Jiang, P. & Rosenbloom, B. (2005), " Customer intention to return online: price perception, attribute-level performance, and satisfaction unfolding over time," Journal of European Marketing, 39(1), pp.150-174. J.K. Robert, & W. Bin, (2002) " Bid together, buy together: On the efficacy of group-buying business models ininternet-based selling " , Handbook of Electronic Commerce in Business and Society. J.K. Robert, H.C. Lai, & C.H. Ho, (2010) " Incentive mechanisms, fairness and participation in online group-buying auctions " , Electronic Commerce Research and Applications, 9(3), pp. 249-262. Jones, M. A., Reynolds, K. E., & Arnold, M. J. (2006) . Hedonic and uyilitarian shopping value: Investigating differential effects on retail outcomes. Journal of Business Research, 59, pp.974 – 981. Kauffman, R.J. & Wang, B. 2001b. "New Buyers' Arrival under Dynamic Pricing Market Microstructure: The Case of Group-Buying Discounts on the Internet,"Journal of Management Information Systems, 18(2) pp 157-188. Kauffman, R. J. & Wang, B. (2002). Bid together, buy together: on the efficacy of the group-buying business model in internet-based selling.In Lowry, P. B. Kauffman, R.J., Lai, H., & Ho, C.-T. (2010a) "Incentive Mechanisms, Fairness and Participation in Online Group-Buying Auctions," Electronic Commerce Research and Applications,9(3), pp 249-262. Kauffman, R.J., Lai, H., & Lin, H.C. (2010b) "Consumer Adoption of Group-Buying Auctions: An Experimental Study," Information Technology and Management,11(4),pp 191-211. Kalakota, R., & Whinston, A. B. (1997a) Frontiers of Electronic Commerce,Addison-Wesley Publishing Company. Keeney, R.L. (1999), " The value of internet commerce to thecustomer " , Management Science, 45(4) , pp.533-42. Keng, C.J., Huang, T.L., Zheng, L.J. & Hsu, M.K. (2007), " Modeling service encounters and customer experientialvalue in retailing " , International Journal of ServiceIndustry Management, 18(4) , pp. 349-67. Kelley, S. W., Hoffman, K. D., & Davis, M. A. (1993), " Atypology of retail failures and recoveries," Journalof Retailing,69(4), pp.429-452. Kenney, M. J., (1995) , " Antecedents to CustomerExpectations for Service Recovery," Journal ofAcademy of Marketing Science , 22(1),pp.52-62. Khalifa, A.S. (2004), " Customer value: a review of recentliterature and an integrativeconfiguration " , Management Decision, 42(5), pp. 645-66. Komulainen, H., Mainela, T., Ta htinen, J. & Ulkuniemi, P.(2007), " Retailers ' different value perceptions ofmobile advertising service " , International Journal ofService Industry Management, 18(4), pp. 368-93. Kolesar, M. B., & Galbraith, R. W., (2000) " A Service-Marketing Perspective on E-Retailing: Implications for E-Retailers and Directions for Future Research," Internet Research: Electronic Networking Applicationsand Policy, 10(5), pp. 424-438. Kotler,P.,Ang,S.H.,Leong,S.M. & Tan,C.H. (1999) Marketing Management:An Asian perspective., Englewood Cliffs, NJ. Prentice-Hall, Kotler, P. (2003) , Marketing Management, 11th ed., N J:Prentice Hall. Lapidus, R. S., & Pinkerton, L. (1995), " Customer complaint situ—ations: A equity theory," Psychology and Marketing, 12(2), pp.105- 122. Lee, G.G. & Lin, H.F. (2005), " Customer perceptions ofe-service quality in online shopping " ,International Journal of Retail and Distribution Management, 33(2), pp. 161-76. Lemon, K. N. 2001. What Drives Customer Equity. Marketing Management, 10(1),p.20-26. Lindgreen, A. & Wynstra, F. (2005), " Value in businessmarkets: what do we know? Where are we going? " ,Industrial Marketing Management, 33(7), pp.732-48. Loiacono, E. T., Watson, R. T., & Goodhue, D. L. (2002).WEBQUAL: A measure of website quality. In K. Evans & L.Scheer (Eds.), Marketing Educators Conference:Marketing Theory and Applications (pp. 432-437). New York: American Morketint Association. Mano, Haim & Richard L. Oliver, (1993), " Assessing the Dimensionality and Structure of the Consumption Experience:Evaluation、 Feeling and Satisfaction," Journal of Consumer Research, 20 (Dec) ,pp.451-466. Michael E. Porter (1985) , Competitive Advantagy:Creatingand Sustaining Superior Performance, Fress Press, NewYork. Monroe,Kent B. (1990),Pricing:Making Profitable Decisions.New York: McGraw-Hill. Neal, W.D. (1999), " Satisfaction is nice but value drives loyalty – the most satisfied customer maynot necessarily be the most loyal " , Marketing Research, 11(1) , pp. 21-3. Nunnally, J. C. & Bernstein, I. H. (1994). Psychometric theory. New York: McGraw Hill Inc. Overby, J.W. & Lee, E.J. (2006), " The effects of utilitarian and hedonic online shopping value on consumer preference and intentions " , Journal of Business Research, 59(10-11),pp. 1160-6. Parasuraman, A., Zeithaml, V., & Berry, L., (1985

) " AConceptual Model of Service Quality and ItsImplications for Future Research, " Journal ofMarketing, 49(3), pp. 44-48. Parasuraman, A., Zeithaml, V. A. & Berry, L. L., (1988) " SERVQUAL: A Multipleitem Scale for Measuring Consumer Perceptions of Service Quality, " Journal of Marketing, 64(1), pp. 12-40. Payne, A., Holt, S. & Frow, P. (2001), " Relationship value management: exploring the integration of employee, customer and shareholder value and enterprise performance models " , Journal of Marketing Management, 17(33), pp. 785-817. Posselt, Thorsten & Eitan Gerstner (2005), " Pre-Sale vs.Post-Sale e-Satisfaction: Impact on RepurchaseIntention And Overall Satisfction, " Journal ofInteractive Marketing, 19 (4), 35-47. Rao, B., (1999) The Internet and the Revolution in Distribution: A Across-industryExamination,Technology in Societ, pp.287-306. Rokeach, M. (1973), The Nature of Human Values, New York: Free Press. Rosen, Deborah E. & Elizabeth Purinton (2004), " Website Design:Viewing theWeb as a Cognitive Landscape, " Journal of Business Research,57 (7), pp.787-94. Rust & P.K. Kannan (2003), " e-Service: a new paradigm for business in the electronic environment,Communicationof the ACM, 46(6),pp.37-42 Quality, " Journal of Retailing,79(3), pp.183-198. Santos, Jessica. (2003). E-service quality: a model ofvirtual service quality dimensions. Managing ServiceQuality, 13(3), pp.233 – 246. Semeijn J., van Riel A.C.R., van Birgelen M.J.H., andStreukens, S. (2005), " E-services and offlinefulfillment how e-loyalty is created, " ManagingService Quality, 15(2), pp.182-194 Shchiglik, Clarry & Stuart J. Barnes (2004), " Evaluating Website Quality in the Airline Industry, " Journal of Computer Information Systems,44 (3),pp. 17-25. Slywotzky A. (1996) Value Migration:How To Think Several Moves Ahead of The Competition. Szymanski D.M. & Hise, R.T. (2000), " e-satisfaction: an initial examination, " Journal of Retailing, 76(3),pp.309-322 Takeuchi, H., & Quelch, A., (1983). " Quality is more than marking a good product, " Harvard Business Review, 61, pp.139-145. Tax, S. S., & Brown, S. W. (1998), " Recovering and learningfrom ser-vice failure, " Sloan Management Review,55(4), pp.75-88. Tsvetovat, M. Sycara, K. Chen, Y. and Ying, J. (2000).Customer coalitions in the electronic marketplace. In Proceedings of the Third Workshop on Agent-mediate Turban, E., Lee, J., King, D. & Chung, H. M. (2000), ElectronicCommerce: A Managerial Perspective, Prentice Hall. Ulaga, W. & Eggert, A. (2006), Value-based differentiation in business relationships: gaining and sustaining key supplier status " , Journal of Marketing, 70(1), pp. 119-36. Voss, C. A. (2003). Rethinking Paradigms of Service: Servicein a Virtual Environment. International Journal of Operations & Production Management, 23(1), pp. 88-104. Wang, Y., & Tang, T. (2003). Assessing customer perceptionsof web site service quality in digital marketing environments. Journal of End User Computing,15(3),pp.15-31. Wixom, H. B. & Todd, A. P. (2005). A theoretical integration of user satisfaction and technology acceptance. Information Systems Research, 16(1), 85-102. Wolfinbarger, M.,& Gilly, M.C., (2003) " eTailQ: Dimensionalizing, measuring and predicting etail. Woodruff, R. B. (1997) , " Customer Value: The next Source for Competitive Advantage " , Journal of the Academy of Marketing Science. 25(2), p. 142. Yamamoto, J., & Sycara, K. (2001) " A Stable and Efficient Buyer Coalition Formation Scheme for E-Marketplaces, " Proceedings of the fifth international conference on Autonomous agents(AGENT ' 01), Montreal, Quebec, Canada, pp.576-583. Yoo, B., & Donthu, N. (2001). Developing a scale to measurethe perceived quality of an Internet site(SITEQUAL).Quarterly Journal of Electronic Commerce,2(1), pp.31-45. Zeithaml, V.A. (1988), " Consumer perceptions of price, quality, and value: a means-end modeland synthesis of evidence " , Journal of Marketing, 52(3), pp. 2-22. Zeithaml, V. A., Parasuraman, A., and Malhotra, A. (2000), " E-service quality: Definitions,dimensions and conceptual model (Working Paper), " Cambridge, MA:Marketing Science Institute. Zeithaml, V. A., Parasuraman, A., and Malhotra, A. ,(2002), " Service Quality delivery through web sites: a critical review of extant knowledge, " Journal of Academic of Marketing Science, 30(4), pp.362-375.