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Marketing mix and brand sales in global markets: Examining the contingent role of country-market characteristics

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Abstract

Marketing products globally is challenging due to the diverse nature of markets. We use market heterogeneity, unbranded competition, resource and infrastructure availability, and sociopolitical governance as country-market characteristics that distinguish between developed and emerging countries. We investigate their moderating role on the relationship between elements of the marketing mix and brand sales. We provide evidence, from a hierarchical linear model and a panel data set of brands from 14 emerging and developed markets that account for 62% of the global GDP, that country-market characteristics moderate the relationship


between the complete set of marketing mix elements and brand sales performance asymmetrically. While distribution and price have the largest impact in emerging and developed countries, respectively, product innovation and advertising have significantly larger impacts in emerging markets relative to developed countries. These finding highlights the importance of contingency view of marketing strategy in global markets.

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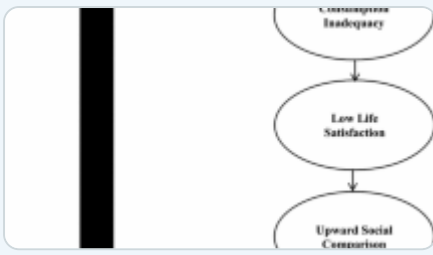
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Notes

1. A notable exception is the study by [Lages et al. \(2008\)](#). As shown in [Table 1a](#), our study in addition to all the marketing mix elements in that study also has display. Moreover, this study has panel data and includes both developed and emerging market countries.
2. While [Sheth \(2011\)](#) lists five traits that distinguish developed from emerging markets, we focus on four of them. We do so, because we find that two of the factors, namely, the availability of resources and the development of infrastructure in countries are highly related so we combine these dimensions for conceptual parsimony and empirical reasons.
3. <http://data.worldbank.org/data-catalog/GDP-ranking-table> and

<http://data.worldbank.org/data-catalog/GDP-PPP-based-table>. PPP data was not available for Argentina and GDP\$ was used instead.

4. It is important to note that as the size of the population that lives below the internationally recognized poverty level (\$2 a day) and the percent of population employed in agriculture sector increases, the income and the net worth divide in a country will be more severe. In other words, fewer numbers of people will disproportionately earn higher incomes and have much greater net worths compared with the “bottom-of-the-pyramid.” Therefore these proxies capture the potential asymmetry in incomes and net worths that [Sheth \(2011\)](#) discusses.
5. We acknowledge that the impact of better design and implementation of marketing strategy may be stronger/weaker in some product categories than others depending on consumption cycles associated with the product. We thank one of the anonymous reviewers for pointing out this issue.
6. We do not include GDP per capita as an indicator in these dimensions as it is an aggregate indicator that does not allow us to capture the difference between emerging and developed markets discussed by [Sheth \(2011\)](#).
7. We follow the procedure by [Cameron and Trivedi \(2009\)](#) to compute the elasticities. Thus we use the fully specified model in calculation of the elasticities.

References

Aaker, D. A., & Day, G. 1986. The perils of high-growth markets. *Strategic Management Journal*, 7 (5): 409-421.

Acemoglu, D., & Robinson, J. 2012. Why nations fail. New York: Crown Business.

[Google Scholar](#)

Acemoglu, D., & Scott, A. 1994. Consumer confidence and rational expectations: Are agents' beliefs consistent with the theory? The Economic Journal, 104 (422): 1-19.

[Article](#) [Google Scholar](#)

Alba, J., Lynch, J., Weitz, B., Janiszewski, C., Lutz, R., Sawyer, A., & Wood, S. 1997. Interactive home shopping: Consumer, retailer, and manufacturer incentives to participate in electronic markets. Journal of Marketing, 61 (3): 38-53.

[Article](#) [Google Scholar](#)

Bahadir, S. C., Bharadwaj, S. G., & Parzen, M. 2009. A meta-analysis of the determinants of organic sales growth. International Journal of Research in Marketing, 26 (4): 263-275.

[Article](#) [Google Scholar](#)

Barrios, S., Gorg, H., & Strobl, E. 2005. Foreign direct investment, competition and industrial development in the host country. European Economic Review, 49 (7): 1761-1784.

[Article](#) [Google Scholar](#)

Bezawada, R., Balachander, S., Kannan, P. K., & Shankar, V. 2009. Cross-category effects of aisle and display placements: A spatial modeling approach and insights. Journal of Marketing, 73 (3): 99-117.

[Article](#) [Google Scholar](#)

Bijmolt, T., Van Heerde, H. J., & Pieters, R. 2005. New empirical generalizations

on the determinants of price elasticity. *Journal of Marketing Research*, 42 (2): 141-156.

[Article](#) [Google Scholar](#)

Boulding, W., & Staelin, R. 1995. Identifying generalizable effects of strategic actions on firm performance: The case of demand-side returns to R&D spending. *Marketing Science*, 14 (3): G222-G236.

[Article](#) [Google Scholar](#)

Brekke, K. R., Holmas, T. H., & Straume, O. R. 2013. Margins and market shares: Pharmacy incentives for generic substitution. *European Economic Review*, 61 (1): 116-131.

[Article](#) [Google Scholar](#)

Brewer, T. L. 1993. Government policies, market imperfections, and foreign direct investment. *Journal of International Business Studies*, 24 (1): 101-120.

[Article](#) [Google Scholar](#)

Burgess, S. M., & Steenkamp, J.-B. E. M. 2006. Marketing renaissance: How research in emerging markets advances marketing science and practice. *International Journal of Research in Marketing*, 23 (4): 337-356.

[Article](#) [Google Scholar](#)

Calantone, R. J., Cavusgil, S. T., Schmidt, J. B., & Shin, G.-C. 2004. Internationalization and the dynamics of product adaptation: An empirical investigation. *Journal of Product Innovation Management*, 21 (3): 185-198.

[Article](#) [Google Scholar](#)

Cameron, A. C., & Trivedi, P. K. 2009. *Microeconometrics using Stata*. College

Station, TX: Stata Press.

[Google Scholar](#)

Cavusgil, S. T., & Zou, S. 1994. Marketing strategy-performance relationship: An investigation of the empirical link in export market ventures. *Journal of Marketing*, 58 (1): 1-21.

[Article](#) [Google Scholar](#)

Cavusgil, S. T., Zou, S., & Naidu, G. M. 1993. Product and promotion adaptation in export ventures: An empirical investigation. *Journal of International Business Studies*, 24 (3): 479-506.

[Article](#) [Google Scholar](#)

Chandrasekaran, D., & Tellis, G. 2008. Global takeoff of new products: Culture, wealth, or vanishing differences? *Marketing Science*, 27 (5): 844-860.

[Article](#) [Google Scholar](#)

Chandy, R., & Tellis, G. 2000. The incumbent's curse? Incumbency, size, and radical product innovation. *Journal of Marketing*, 64 (3): 1-17.

[Article](#) [Google Scholar](#)

Child, J. 1972. Organizational structure, environment and performance: The role of strategic choice. *Sociology*, 6 (1): 1-22.

[Article](#) [Google Scholar](#)

Chintagunta, P., & Desiraju, R. 2005. Strategic pricing and detailing behavior in international markets. *Marketing Science*, 24 (1): 67-80.

[Article](#) [Google Scholar](#)

Cotsomitis, J. A., & Kwan, A. C. 2006. Can consumer confidence forecast household spending? Evidence from the European commission business and consumer surveys. *Southern Economic Journal*, 72 (3): 597-610.

[Article](#) [Google Scholar](#)

Dekimpe, M. G., Parker, P. M., & Sarvary, M. 2000. Global diffusion of technological innovations: A coupled-hazard approach. *Journal of Marketing Research*, 37 (1): 47-59.

[Article](#) [Google Scholar](#)

Deleersnyder, B., Dekimpe, M. G., Steenkamp, J.-B. E. M., & Leeflang, P. S. H. 2009. The role of natural culture in advertising's sensitivity to business cycles: An investigation across continents. *Journal of Marketing Research*, 46 (5): 623-636.

[Article](#) [Google Scholar](#)

Douglas, S., & Wind, Y. 1987. The myth of globalization. *Columbia Journal of World Business*, 22 (4): 19-29.

[Google Scholar](#)

Dow, D. 2006. Adaptation and performance in foreign markets: Evidence of systematic under-adaptation. *Journal of International Business Studies*, 37 (2): 212-226.

[Article](#) [Google Scholar](#)

Dunn, L. F., & Mirzaie, I. A. 2009. Turns in consumer confidence: An information advantage linked to manufacturing. *Economic Inquiry*, 44 (2): 343-351.

[Article](#) [Google Scholar](#)

Economist. 2010. The world turned upside down. *Economist*, 395 (8678): 3-6.

Erdem, T., Zhao, Y., & Valenzuela, A. 2004. Performance of store brands: A cross-country analysis of consumer store-brand preferences, perceptions, and risk. *Journal of Marketing Research*, 41 (1): 86–100.

[Article](#) [Google Scholar](#)

Esfahani, H. S., & Ramirez, M. T. 2003. Institutions, infrastructure, and economic growth. *Journal of Development Economics*, 70 (2): 443–477.

[Article](#) [Google Scholar](#)

Everdingen, Y., Fok, D., & Stremersch, S. 2009. Modeling global spillover of new product takeoff. *Journal of Marketing Research*, 46 (5): 637–652.

[Article](#) [Google Scholar](#)

Farley, J. U., Hayes, A. F., & Kopalle, P. K. 2004. Choosing and upgrading financial services dealers in the US and UK. *International Journal of Research in Marketing*, 21 (4): 359–375.

[Article](#) [Google Scholar](#)

Fleisher, B., Li, H., & Zhao, M. Q. 2010. Human capital, economic growth, and regional inequality in China. *Journal of Development Economics*, 92 (2): 215–231.

[Article](#) [Google Scholar](#)

Globerman, S., & Shapiro, D. 2003. Governance infrastructure and US foreign direct investment. *Journal of International Business Studies*, 34 (1): 19–39.

[Article](#) [Google Scholar](#)

Golder, P., & Tellis, G. J. 2004. Growing, growing, gone: Cascades, diffusion, and turning points in the product life cycle. *Marketing Science*, 23 (2): 207–218.

[Article](#) [Google Scholar](#)

Grewal, R., Comer, J. M., & Mehta, R. 2001. An investigation into the antecedents of organizational participation in business-to-business electronic markets. *Journal of Marketing*, 65 (3): 17-33.

[Article](#) [Google Scholar](#)

Griffith, D. A., Cavusgil, S. T., & Xu, S. 2008. Emerging themes in international business research. *Journal of International Business Studies*, 39 (7): 1220-1235.

[Article](#) [Google Scholar](#)

Grossman, G., & Shapiro, C. 1988. Foreign counterfeiting of status goods. *Quarterly Journal of Economics*, 103 (1): 79-100.

[Article](#) [Google Scholar](#)

Hsieh, M.-H., Pan, S.-L., & Setiono, R. 2004. Product-, corporate-, and country-image dimensions and purchase behavior: A multicountry analysis. *Journal of the Academy of Marketing Science*, 32 (3): 251-270.

[Article](#) [Google Scholar](#)

Hultman, M., Katsikeas, C. S., & Robson, M. J. 2011. Export promotion strategy and performance: The role of international experience. *Journal of International Marketing*, 19 (4): 17-39.

[Article](#) [Google Scholar](#)

Hultman, M., Robson, M. J., & Katsikeas, C. S. 2009. Export product strategy fit and performance: An empirical investigation. *Journal of International Marketing*, 17 (4): 1-23.

[Article](#) [Google Scholar](#)

Isobe, T., Makino, S., & Montgomery, D. B. 2000. Resource-commitment, entry timing, and market performance of foreign direct investments in emerging economies: The case of Japanese international joint ventures in China. *Academy of Management Journal*, 43 (3): 468-484.

[Article](#) [Google Scholar](#)

Jain, S. 1989. Standardization of international marketing strategy: Some research hypotheses. *Journal of Marketing*, 53 (1): 70-79.

[Article](#) [Google Scholar](#)

Janiszewski, C., Noel, H., & Sawyer, A. G. 2003. A meta-analysis of the spacing in verbal learning: Implications for research on advertising repetition and consumer memory. *Journal of Consumer Research*, 30 (1): 138-149.

[Article](#) [Google Scholar](#)

Johnson, D. S., & Bharadwaj, S. G. 2005. Digitization of selling activity and sales force performance: An empirical investigation. *Journal of the Academy of Marketing Science*, 33 (1): 3-18.

[Article](#) [Google Scholar](#)

Katsikeas, D., Samiee, S., & Theodosiou, M. 2006. Strategy fit and performance consequences of international marketing standardization. *Strategic Management Journal*, 27 (9): 867-890.

[Article](#) [Google Scholar](#)

Kogut, B. 1984. Normative observations on the international value-added chain and strategic groups. *Journal of International Business Studies*, 15 (2): 151-167.

[Article](#) [Google Scholar](#)

Lages, L. F., Jap, S. D., & Griffith, D. A. 2008. The role of past performance in export ventures: A short-term reactive approach. *Journal of International Business Studies*, 39 (2): 304–325.

[Article](#) [Google Scholar](#)

Lamey, L., Deleersnyder, B., Steenkamp, J.-B. E. M., & Dekimpe, M. G. 2012. The effect of business-cycle fluctuations on private-label share: What has marketing got to do with it? *Journal of Marketing*, 76 (1): 1–19.

[Article](#) [Google Scholar](#)

Leeflang, P., & Parreño-Selva, J. 2012. Cross-category demand effects of price promotions. *Journal of the Academy of Marketing Science*, 40 (4): 572–586.

[Article](#) [Google Scholar](#)

Levine, R. 1997. Financial development and economic growth: Views and agenda. *Journal of Economic Literature*, 35 (2): 688–726.

[Google Scholar](#)

Levitt, T. 1983. The globalization of markets. *Harvard Business Review*, 61 (3): 92–101.

[Google Scholar](#)

Loree, D. W., & Guisinger, S. E. 1995. Policy and non-policy determinants of US equity foreign direct investment. *Journal of International Business Studies*, 26 (2): 281–299.

[Article](#) [Google Scholar](#)

MacInnis, D., Moorman, C., & Jaworski, B. 1991. Enhancing and measuring consumers' motivation, opportunity and ability to process brand information.

Journal of Consumer Research, 55 (10): 32–53.

[Google Scholar](#)

Merton, R. 1957. Social theory and social structure. Glencoe, IL: Free Press.

[Google Scholar](#)

Miller, D., & Friesen, P. 1983. Strategy-making and environment: The third link. Strategic Management Journal, 4 (3): 221–235.

[Article](#) [Google Scholar](#)

Minbaeva, D., Torben Pedersen, B., Björkman, I., & Fey, C. F. 2013. A retrospective on: MNC knowledge transfer, subsidiary absorptive capacity, and HRM. Journal of International Business Studies, 45 (1): 52–62.

[Article](#) [Google Scholar](#)

Mitra, D., & Golder, P. 2002. Whose culture matters? Near-market knowledge and its impact on foreign market entry timing. Journal of Marketing Research, 39 (3): 350–365.

[Article](#) [Google Scholar](#)

Morris, M. H., Davis, D. L., & Allen, J. W. 1994. Fostering corporate entrepreneurship: Cross-cultural comparisons of the importance of individualism versus collectivism. Journal of International Business Studies, 25 (1): 65–89.

[Article](#) [Google Scholar](#)

Pauwels, K. 2004. How dynamic consumer response, competitor response, company support, and company inertia shape long-term marketing effectiveness. Marketing Science, 23 (4): 596–610.

[Article](#) [Google Scholar](#)

Peterson, M. F., Arregle, J.-L., & Martin, X. 2012. Multilevel models in international business research. *Journal of International Business Studies*, 43 (5): 451–457.

[Article](#) [Google Scholar](#)

Prahalad, C. K. 2009. *The fortune at the bottom of the pyramid: Eradicating poverty through profits*. Philadelphia, PA: Wharton School Publishing.

[Google Scholar](#)

Raudenbush, S. W., & Bryk, A. S. 2002. *Hierarchical linear models: Applications and data analysis methods*. Thousand Oaks, CA: Sage Publications.

[Google Scholar](#)

Riefler, P., Diamantopoulos, A., & Siguaw, J. A. 2012. Cosmopolitan consumers as a target group for segmentation. *Journal of International Business Studies*, 43 (3): 285–305.

[Article](#) [Google Scholar](#)

Roth, M. S. 1992. Depth versus breadth strategies for global brand image management. *Journal of Advertising*, 21 (2): 25–36.

[Article](#) [Google Scholar](#)

Roth, M. S. 1995. The effects of culture and socioeconomics on the performance of global brand image strategies. *Journal of Marketing Research*, 32 (2): 163–175.

[Article](#) [Google Scholar](#)

Röller, L.-H., & Waverman, L. 2001. Telecommunications infrastructure and economic development: A simultaneous approach. *American Economic Review*, 91

(4): 909–924.

[Article](#) [Google Scholar](#)

Rusell, G., & Petersen, A. 2000. Analysis of cross category dependence in market basket selection. *Journal of Retailing*, 76 (3): 367–392.

[Article](#) [Google Scholar](#)

Sethuraman, R., Tellis, G. J., & Briesch, R. A. 2011. How well does advertising work? Generalizations from meta-analysis of brand advertising elasticities. *Journal of Marketing Research*, 48 (3): 457–471.

[Article](#) [Google Scholar](#)

Sheth, J. N. 2011. Impact of emerging markets on marketing: Rethinking existing perspectives and practices. *Journal of Marketing*, 75 (4): 166–182.

[Article](#) [Google Scholar](#)

Shoham, A. 1999. Bounded rationality, planning, standardization of international strategy, and export performance: A structural model examination. *Journal of International Marketing*, 7 (2): 24–50.

[Google Scholar](#)

Sorescu, A., & Spanjol, J. 2008. Innovation's effect on firm value and risk: Insights from consumer packaged goods. *Journal of Marketing*, 72 (2): 114–132.

[Article](#) [Google Scholar](#)

Steenkamp, J.-B. E. M., & Geyskens, I. 2006. How country characteristics affect the perceived value of web sites. *Journal of Marketing*, 70 (3): 136–150.

[Article](#) [Google Scholar](#)

Stevens, G. V. G. 2000. Politics, economics and investment: Explaining plants and equipment spending by US direct investors in Argentina, Brazil, and Mexico. *Journal of International Money and Finance*, 19 (2): 115-135.

[Article](#) [Google Scholar](#)

Szymanski, D. M., Bharadwaj, S. G., & Varadarajan, P. R. 1993. Standardization vs adaptation of international marketing strategy: An empirical investigation. *Journal of Marketing*, 57 (4): 1-17.

[Article](#) [Google Scholar](#)

Talukdar, D., Sudhir, K., & Ainslie, A. 2002. Investigating new product diffusion across product countries. *Marketing Science*, 21 (1): 97-114.

[Article](#) [Google Scholar](#)

Tellis, G. J., Stremersch, S., & Yin, E. 2003. The international takeoff of new products: The role of economics, culture, and country innovativeness. *Marketing Science*, 22 (2): 188-208.

[Article](#) [Google Scholar](#)

Townsend, J. D., Yeniyurt, S., & Talay, M. B. 2009. Getting to global: An evolutionary perspective of brand expansion in international markets. *Journal of International Business Studies*, 40 (4): 539-558.

[Article](#) [Google Scholar](#)

Van Heerde, H. J., Gijsenberg, M. J., Dekimpe, M. G., & Steenkamp, J.-B. E. M. 2013. Price and advertising effectiveness over the business cycle. *Journal of Marketing Research*, 50 (2): 177-193.

[Article](#) [Google Scholar](#)

Viswanathan, M., Rosa, J. A., & Ruth, J. A. 2010. Exchanges in marketing systems: The case of subsistence consumer-merchants in Chennai, India. *Journal of Marketing*, 74 (3): 1-17.

[Article](#) [Google Scholar](#)

Wan, W. P., Yiu, D. W., Hoskisson, R. E., & Kim, H. 2008. The performance implications of relationship banking during macroeconomic expansion and contraction: A study of Japanese banks' social relationships and overseas expansion. *Journal of International Business Studies*, 39 (3): 406-427.

[Article](#) [Google Scholar](#)

Wessel, D., & Greenberg, S. 2011. Big US firms shift hiring abroad. *Wall Street Journal*, 257 (90): B1-B2.

[Google Scholar](#)

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