



Social media in product development



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ABSTRACT

With the increasing availability of the internet, a significant amount of data has been generated through social media. Consumer goods companies, scientists, and innovators are competing to find ways to leverage this information. Social media information is considered useful for marketers as they can directly track consumer responses to marketing campaigns, product performance, and the changes in consumer sentiment toward a brand. Many companies have also developed consumer engagement programs through social media. However, the utility of social media learning in product development seems indirect, or perhaps illusive. While many marketers are being challenged to demonstrate return on investment and many sensory and product research professionals are navigating different pathways to leverage social media information, this paper presents a fresh way of conducting the query to generate consumer and product relevant information. Coffee freshness was used as the research topic. The research here confirmed the validity of social media output. It also demonstrated the value of multi-language and cross-sectional queries. Lastly, best practices in social media research were discussed and recommendations were made regarding how to effectively include the social media tool in sensory and the product research toolbox. The authors challenge the sensory product research professionals to include social media data in their future consumer research framework. Failure to leverage social media may result in higher expenses in the cost of product development when compared to using only traditional consumer and product research tools. More importantly, researchers may miss insights that are impractical or difficult to obtain from traditional research tools.

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Introduction

About social media

Social media refers to an array of platforms that allow people to interact, create, share, and/or exchange information and ideas in virtual communities and networks. Early iterations of social media included Bulletin Board System (BBS) where users communicated with one another via text messages. During the 1970s to the mid-1990s, social media was used by hobbyists for uploading and downloading software and data, reading news and bulletins, and exchanging messages with other users. The launch of social media sites such as Friendster, MySpace, LinkedIn and Facebook in the early 2000's signaled the beginning of significant growth in the numbers of consumers engaged in social media, and its entry into the cultural mainstream.

With such a large customer tracking data source for analysts to mine, the rapid data growth in social networking triggered the development and utilization of social media analytics, marketing, and sales tools. Data generated through social networking between 2010 and 2012 accounted for 90% of the total data in history (IBM, 2012). This Big Data era is affecting people's lives in many regards. Marketers have been conducting campaigns via social networks and assembling new social media divisions to manage this relatively new and sustainable large quantity of information. Many social media research tools have been developed, and several books have been published, for example Real Time Marketing and PR (Scott, 2012), and Social Media ROI (Blanchard, 2011). However, most of the developments and discussions have been around brand performance, advertising campaign tracking, and complaint monitoring. Even though many argued that we should move forward from the listening mode to insight generation mode, few looked into utilizing social media for insights related to the development of products. Unlike the marketing field, adoption of social media tools for consumer research has remained questionable as it is more difficult to illustrate a return on investment in this type of application. Researchers are concerned about the reliability of the

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