# A Review of Personality of Interaction and Cross-Cultural Applicability of User Evaluation Methods

J Senadheera[1] and B Hettige[1]

[1]Faculty of Computing, General Sir John Kotelawala Defence University, Ratmalana, Sri Lanka.

# 37-cs-5972@kdu.ac.lk

**Abstract**: *Importance of a designed artifact must constructively promote the brand and aid in creating favourable brand experiences. A recent area of interface design that is essential for designers from many disciplines is culture-based user interface design. This review compares user evaluation methods' cross-cultural applicability and personality of interaction with the simple beauty of a comprehensive understanding of the user experience. Basic Methodology Comparative analysis is what is contributed and implications this study should help. It implies that these are the results of ingrained cultural disparities in how people interact with one another. 87% of the studies evaluated for this analysis came to the conclusion that cultural variations do in fact affect user experience and user interface.*

**Keywords**: *Interaction, Personality, Experience, Culture, Branding*

## 1. Introduction

Practicing designers have some connection to branding. Interviews with knowledgeable practitioners demonstrate that while there is evident application of visual branding expertise to the visual form of interactive objects, there are no systematic ways to create an interaction aesthetic to complement a brand. Without an interface, no corporate visual communication is complete, but businesses are no longer content with websites that only look nice. They must now put in extra effort to meet the cultural needs of users, keep them using the computer product for as long as possible, and ensure that they comprehend the material. These objectives will only be met by the computer product with a well-designed user interface based on culture.

Interface localization is becoming increasingly widespread as businesses promote their software internationally and try to capture the global e-commerce market. Although localization is frequently thought of as primarily a translation Endeavor, it is now evident that language is only one aspect of making a product suitable for usage in a foreign cultural setting. In order to grasp the meaning of experiences in context, user experience (UX) research has either adopted an interpretive approach or a more general
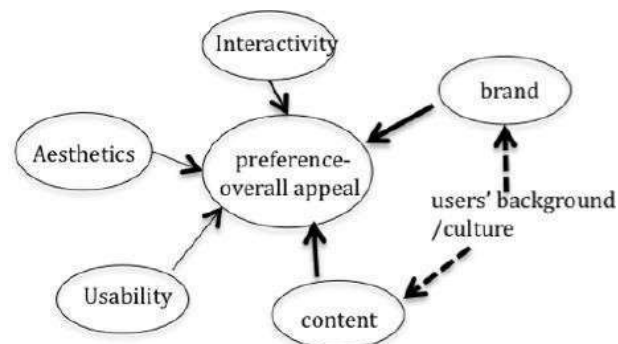


Figure 1. Summary of influence of website qualities on overall judgement/preference

method that looks into the psychological components that support user experience.

Users' attitudes toward brands can influence both pragmatic and hedonic aspects of judgement, with negative attitudes toward brands having a negative halo effect on other design qualities, and positive brand attitudes having the opposite effect. The brand is known to have a strong influence on users' preferences for websites. ' Bolchini et al' demonstrated a similar halo effect between enhanced usability and consumers' perceptions of brand image in websites. The influences of culture on interactive product design have a long history, however, the design implications are typically on a high level, such as techniques for analysing cultural variations in task performance.

## 2. State of Art

The research in various scientific fields, such as cognitive psychology, social psychology, and human-computer interaction studies, where the first impression was considered as a basis for forming general opinions about an object and the subsequent behaviour towards it, showed the significance of the phenomenon known as first impression. According to this field's research, first impressions are formed quite quickly.

Culture will affect how people engage with computers in the same way that it affects how people interact in general. A suitable approach must be given to embrace internalization in order to do things correctly because
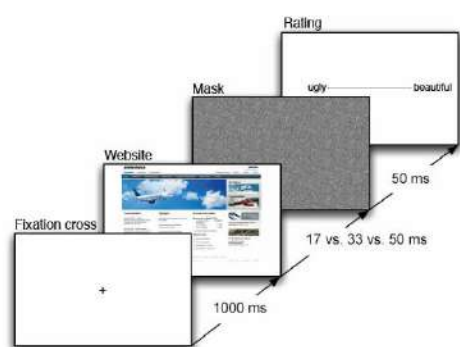
Figure 2. Aesthetic perception of websites: the impact of visual complexity, prototypicality

culture-based interface design issues are a component of computer product design. Aspects incorporated into the software development cycle methods. Utilizing interactive systems for task performance calls for interaction between the user and the system. People pick up thought, behaviour, and communication while residing in a particular social setting, typically characterized by country culture. As a result, a person's communication choices and behaviours are somewhat determined by culture. A person's communication style, which reflects how they transmit and receive messages, serves as a representation of a culture's overarching norms and values.

## 3. Related Works

Each interactivity attribute was examined using a collection of web-based studies that were presented in random order. Value-based design, for instance, has generated a great deal of interest in user-centred design. In order to improve designs that value people, Friedman's (2008) method elicits users' thoughts and sentiments regarding goods and prototypes. Although few interactive features were found besides social feedback features, perceived interactivity as a construct made up of connectedness to other users, responsiveness and user control has been shown to be related to measures of efficiency, enjoyment, trust, and loyalty in e-commerce sites.

The significance of initial impression and its profound impact on subsequent judgments about a particular website became the subject of numerous studies in the last decade of Human Computer Interaction (HCI) research. Additionally, participants were able to recognize many elements that contribute to a web page's overall impression (Tuch et al., 2012b). The results thus point to humans' capacity to see and respond to such stimuli as web pages in a relatively short period of time.

Despite the debatable monetary importance of branding in the creation of interactive products, there aren't many publications on the subject. A method to extract brand values represented by personality traits from websites and

assess whether the attributes are effectively communicated is provided by Bolchini et al.

## 4. Discussion

Following a pilot study with 28 participants, there were enlisted 85 people were for the main study, largely friends and acquaintances with a fairly equal distribution of men and women. Participants were between the ages of 30 and 40 on average. Each sub-questionnaire was given to participants, but were unable to make them complete it. As a result, each attribute received between 72 and 85 responses for the overall study. Brand characteristics and interactive features are perceived subjectively and are influenced by the specifics of how our prototype is embodied and the users' cultural background. A small number of participants in our study come from nearly the same cultural background. As a result, we exhibit the information in a heat map form to give a rich and impressionist picture that can support many theories.

Multi-method evaluation of the user was used. This contained a pre-questionnaire where demographic information was gathered and individuals' cultural backgrounds and computing experiences were questioned. The participants were asked if they would be interested in registering at Directed during a task observation session. As they searched for information on the website, they were instructed to "think out loud". A final interview was conducted to get comments on the website evaluation. For either cohort, performance and preference had no correlation. C4L performed significantly better, and user feedback suggested that a straightforward design with easy navigation and sparse content would have worked better for the users' task of diet planning. Preferences were clearly different, so we argue that more comprehensive content and interactive features influence preference, whereas the browsing mode probably frames user choice. In contrast, a simpler design suits effective performance in a goal-directed information search task.

Over the years, scientists and artists have been interested in the question of what exactly comprises aesthetics or beauty, what makes things beautiful, and what results in a delightful experience. On the one hand, beauty was formerly thought of as an attribute of an object that gives the perceiver a joyful reaction. The so-called subjectivist view puts out the notion of the prominent role of a perceiver in opposition to this viewpoint, which is referred to as the objectivist approach. Anything can be considered beautiful as long as it appeals to the senses, and this varies on the individual. The interactionist perspective, which combines both ideas, is one of the logical extensions of these methods.

## 5. Conclusion

This study demonstrates that one-on-one observation techniques, which are frequently used in usability testing, may not be as suitable for consumers outside of North America. Various difficulties caused by other techniques were also discovered, depending on the culture. To fully explore the application of various user research methodologies, more study is required. However, when creating procedures and tools for cross-cultural user testing, researchers should take cultural differences into account.

Some arguments in the literature suggest that while designing user interfaces, objective culture should be taken into account rather than subjective culture. Others contend that the subjective cultural profile of the interface should correspond to the subjective cultural profile of the intended users and that subjective culture is equally as significant as objective culture. Additionally, using cultural models to control the subjective components of user interface design has come under heavy fire for being rigid and stereotypical. Through research, we hypothesized that the characteristics of interface design required to create interfaces that cater to high power distance, high uncertainty avoidance, masculinity, and short-term orientation would give all users a more culturally based experience than an interface created to cater to the opposing sides of these dimensions. The research's underlying hypotheses were translated ed into the projected rise in overall usability.

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### Author Biographies



Janitha Ranmasu Senadheera, a 03rd year undergraduate of Faculty of Computing at General Sir John Kotelawala Defense University, Ratmalana. Interested in the fields of Data Science, Data Analysis, User Interface & User Experience Engineering.



Dr. Budditha Hettige, Senior Lecturer Grade II, Department of Computer Engineering, Faculty of Computing, General Sir John Kotelawala Defence University. PhD University of Moratuwa, 2020 (Multi Agent Technology for Automatic Machine Translation), Master of Philosophy (University of Moratuwa-2011), BSc (University of Sri Jayawerdenepura), Certificate in Teaching in Higher Education (CTHE) General Sir John Kotelawala Defence University.