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Preface

We have the pleasure to compile these proceedings of the 31st RARCS conference. The conference gives delegates the option to include either an extended abstract or a full paper in the conference proceedings. In addition, a book of one-page abstracts of all presentations is made available to delegates. Proceedings are only distributed among participants and are not submitted to any repositories. Copyright is not transferred. Thus, delegates can submit their work to journals, without facing any formal self-plagiarism issues.

We trust these proceedings and the book of abstracts are useful material for our delegates.

Soora Rasouli & Harry Timmermans
Co-Chairs

Contents

Graziano Abrate & Valeria Faralla. Word of mouth vs. word of machine: an empirical analysis on the use of artificial intelligence in online reviews	6
Magnus Asgeirsson & Thorhallur Gudlaugsson. The effect of service quality, reputation and e-WOM on performance variability	14
Magnus Asgeirsson & Thorhallur Gudlaugsson. Service orientation and performance in the hospitality industry	25
Nicholas Ashill, Rania Semaan & Paul Williams. Creating sparkle and magic: development and validation of a brand charisma scale	34
Daniel Baier, Alexandra Rese & Danilo Randazzo. Idea generation and concept development using ChatGPT – a sample application for fridge/freezer combinations	44
Doris Berger-Grabner & Fleix Puthenveetil. Understanding consumers' purchasing behaviour when buying counterfeit luxury fashion items with a focus on online availability and social networks	56
Isabella Botha & Adele Berndt. Zero waste: are retailers and consumers on the same page?	63
Generoso Branca, Sandro Castaldo & Monica Grosso. Diversity and inclusion in retail: consumers' perceptions and brand outcomes	71
Ruzica Brecic, Luca Panzone & Matthew Gorton. Promoting healthy food choices: analyzing the impact of a fruit and vegetable challenge through a loyalty app	77
Milos Bujisic & Vanja Bogicevic. AI talks: unveiling the digital customer experience revolution in everyday services	81
Kathleen Cauwelier, Heleen Buldeo Rai & Koen Mommens. To pay or not to pay: exploring financial and non-financial nudges to promote sustainable delivery choices in e-commerce	97
Noel Corbin & Clair McClure. Omnichannel retailing in circulatory fashion analysis	102
Kamel El Hedhli, Ibrahim Alnawas, Imene Becheur, Allam K. Abu Farha & Haithem Zourrig. Shopping well-being through mobile apps: a congruence theory perspective	123
Robert J. Fisher, Oliver J. Rutz, Jennifer Argo, Eleni Stroulia & Victor Fernandez Cervantes. When brands collide - how automobile brands affect driver aggression	132
Anne Fota, Robér Rollin & Hanna Schramm-Klein. Word social media trends: unraveling the phenomenon	140
Anne Fota & Hanna Schramm-Klein. AI across ages: how emotional intelligence and anthropomorphism shape consumer interactions with ChatGPT	163
Thorhallur Gudlaugsson. The relationship between trust and loyalty, and example from the banking sector	184
Ying Cheng Huang & Ellen Van Droogenbroeck. Retailer strategies and suboptimal food:	

a systematic literature review on the impact on food waste reduction	192
Kim Janssens, Wim Lambrechts & Marjolein C. J. Caniëls. Insects on the menu: how changing food consumption behavior can enhance sustainability	200
Ulrich Jürgens. Food banks, food waste and retail: food disposal systems using Germany as an example	208
Haejung Maria Kim, Christy Crutsinger & Sanjukta Pookulangara. Bridging the skills-transfer gap: edu-influencers in leadership development and mentorship within twitter community dialogue	231
Melinda J. Knuth, Patricia T. Huddleston, Alicia Rihn & Bridget K. Behe. It's not them. It's the product: bottom-up factors influence detractors' likelihood to buy	250
Beatrice Luceri, Simone Aiolfi & Giovanni Romano. From pixels to purchases: high-involvement shopping in the metaverse	265
Hikaru Makino & Kenji Sera. An exploratory investigation into the development of a bodily attitude scale: item collection and factor analysis	275
Elisa Martinelli, Francesca Decanio, Elena Sarti & Giulia Tagliazucchi. Boosting retailers' resilience to natural disasters: the role of hazard experience learning in a dynamic capability perspective	281
Francesco Massara, Michela C. Mason, Andrea Moretti & Gioele Zamparo. The role of ability, motivation and opportunity in retail employee performance: a configurational approach	287
Valentina Mazzoli, Ilenia Confente, Benedetta Baldi & Ivan Russo. Bring it back: factors influencing participation in retailer take-back programs	298
Stephanie Meek & Jing Ren. Member perceptions of chatbot integration in online brand communities	304
Jennifer Murray & Abhilash Sugunan Nair. Destigmatising sex: how sexfluencers deconstruct sex positivity through digital advocacy on Instagram	311
Tim N. Nierobisch, Jonas Alexander & Volker Behn. Digital signage and price tags: driving or diluting sales?	317
Gunnar Oskarsson & Gudjon Helgi Egilsson. Turning point in e-business: the continued use of e-commerce post Covid	323
Friederike Paetz & Mahmood Pedram. A comparison of esports tournament organizers' reward structures: which one to favor to attract audience and sponsors?	328
Brandon Reich, Hong Yuan, Lamberto Zollo & Riccardo Rialti. Implicit ethical consumerism: measure development and cross-national validation	342
Simoni F. Rohden & Lélis B. Espartel. Understanding the impact of technology interaction on dysfunctional consumer behavior	352
Robér Rollin, Eric Schell, Julian Schmitz, Tobias Röding & Hanna Schramm-Klein. Mitigating cognitive overload through aesthetic visual design	359

Nadine Schröder, Carsten D. Schultz & Friederike Paetz. The role of cues in healthy and sustainable food choices: a comparative study of online and offline grocery shopping	373
Carsten D. Schultz & Lena Epperlein. The impact of corporate influencers on the corporate brand	382
Neha Sharma, Emiliano Acquila-Natale, Laura Del-Río-Carazo & Ángel Hernández-García. Consumer psychographics, product category and geographic factors in Indian showrooming and webrooming: a qualitative approach	389
Thomas Van den Bossche, Katja Verbeeck, Saskia Vanden Eede & Karel Deneckere. COntent: personalized content creation by marketer and AI	407
Hanfei (Sophie) Xue, Jiayu (Violet) Wang, Szeman Chong, Woojin Choi, Chung-Wha (Chloe) Ki & Christina Wong. The influence of virtual assistants' (VAS') form on consumer fun perception and VA service engagement in online retail: the moderating	411
Cristina Zerbinì, Donata Tania Vergura, Settimio Ziccarelli & Guido Cristini. Upcycling economy: consumer perceptions of food made from surplus food	433
Settimio Ziccarelli & Donata Tania Vergura. Comparing text- and video-based interactions with virtual assistants in e-commerce	439



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The relationship between trust and loyalty, and example from the banking sector

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Abstract. In business, trust between parties is important. Each party must be able to trust others, as business relationships would likely suffer otherwise. The main goal of this study is to explore the current state of trust in Icelandic banks, the impact of the 2008 banking collapse, and how changes in trust have affected customer loyalty to banks. This research is based on 16 quantitative surveys that evaluated banks' images, with trust being one of the key attributes assessed. The surveys were conducted annually from 2006 to 2019 and then again in 2021 and 2023. In total, 10,245 responses (640 per year on average) were gathered. The results show that before the banking collapse in the fall of 2008, banks were perceived as having positive attributes, such as trust and social responsibility, and the association between banks and negative attributes, such as corruption, was weak. However, this trend shifted after the collapse as banks became more closely associated with corruption, and trust in banks decreased. The findings also indicate a strong relationship between trust and loyalty, indicating that trust is a complex phenomenon and that rebuilding lost trust takes time.

Keywords: Image; reputation; quality, performance; banks

Introduction

In the first decade of this century, the Icelandic banking system grew rapidly, reaching 10 times the Iceland's GDP by the end of 2007 (The Icelandic National Audit Office, 2009). In the fall of 2008, a major change occurred, as the three largest banks – Íslandsbanki (at that time, Glitnir), Arion Banki (at the time, Kaupthing), and Landsbankinn – had gone bankrupt in just a few days. Together, these banks held the most savings and loans in Iceland and were responsible for around 85% of all assets in the banking system (The Icelandic National Audit Office, 2009). The remaining 15% was largely held by small savings and loan firms, which later also went bankrupt and were taken over by the restored state-owned banks. Therefore, following the banking collapse, almost the entire financial system came under state ownership. The consequences were serious for the public and the economic system (Páll Hreinsson *et al.*, 2008), but the banks faced especially severe consequences, for example, in terms of trust. After the bank collapse respondents strongly associated banks with the image attribute corruption. Despite this negative trend in trust, the proportion of people who switched banks after the collapse compared to before the collapse remained stable, at 5–8%. The most common explanation for this was that banking services were homogeneous, and that the entire

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banking system had gone bankrupt. However, research suggests that customers are likely to associate “their” banks more strongly with trust than others, which could also explain the reluctance to switch banks (Gudlaugsson, 2017).

Trust

Much of human interaction is based on trust, which can be based on many factors, such as confidence, credibility, individual actions, and uncertainty (Robbins, 2016). Despite its importance in everyday life, it took some time for academia to focus on it. Initially, trust had a narrow definition and was often cited as a behavior (Deutsch, 1958, 1960) or personality trait (Rotter, 1967, 1980). Later, research began focusing on linking risk and trust (Freudenburg, 1993) while examining trust in the context of risk and management (Earle & Cvetkovich, 1997; Earle, 2010; Earle & Sigrist, 2008). Trusting another person or organization always involves some risk; therefore, it is natural to view trust and risk as related phenomena (Mayer *et al.*, 1995). Similarly, distrust can involve risks, as it can signal the existence of business opportunities that have not been taken advantage of, and the effort to ensure that an individual or organization is worthy of trust can entail costs for the person who bears the distrust (Hardin, 1998; Mayer *et al.*, 1995). Research shows a strong relationship between trust and convictions or assurance (Earle & Siegrist, 2006; Siegrist *et al.*, 2003). However, it is important to distinguish between these concepts, as trust relates to individuals and their actions and intentions, while conviction or assurance relates to organizations that do not intend to act or not act. Trust is directed at the individuals responsible for the organization and, therefore, is not inherently trust (Siegrist, 2021).

Trust and banks

Trust in banks and financial institutions is generally considered important for efficiency, although Fungácoá *et al.* (2019) point out that little is known about what determines trust in banks. They state that women appear to have more trust in banks than men, with trust increasing with increasing income but decreasing with increasing age and higher education. Boatright (2011) identified that almost nobody questions the importance of trust and integrity for financial activities and that there is no consensus on what these concepts mean. Jarvinen (2014) examined trust in banks in 29 European countries and found that the banking collapse shed particular light on the importance of trust in banks, but it is important to remember that trust is also important at other times. However, Gritten (2011) points out that in this context, the banking collapse caused a fundamental reversal in the aftermath of the collapse, which had adverse consequences; thus, trust is even more important for managers than before. Armstrong (2012) argues that trust in financial transactions is important when various commercial agreements are pending and negotiation costs are too high.

Thus, trust is a party's belief that another party will not exploit its position to achieve its interests at the expense of the other. This is a fundamental issue for those who rely on banking transactions, and the banking collapse has created turmoil. In this context, Eysteinnsson and Gudlaugsson (2013) examined factors that could predict forgiveness, while previous research by Xie & Peng (2009) indicated that forgiveness was one of the most important prerequisites for building trust after it had been lost (also see Gudlaugsson & Eysteinnsson, 2013). Results have shown that six factors explained almost 80% of the variance in forgiveness, with the “belief that the bank will meet customers' expectations” having the greatest weight ($\beta = 0.31$). Therefore, as Xie & Peng (2009) found, the key concepts in gaining forgiveness are expectation management, honesty, and respect.

Trust, loyalty and banks

Loyalty is an important marketing concept, especially when the goal is to build a strong brand (Helgesen & Nasset, 2007; Zeithaml *et al.*, 2024; Zinkham, 2002). The importance lies in the fact that loyal customers represent value and that it is usually cheaper to retain existing customers than to acquire new ones (Kotler

et al., 2022; Zeithaml *et al.*, 2024). Loyalty can be defined in various ways, such as behaviorally (Keiningham *et al.*, 2008) or attitudinally (Boulding *et al.*, 1993; Helgesen & Nettet, 2007). Behavioral loyalty focuses on repeat purchases of a product or service, but the problem with this concept is that the reason for repeat purchases may be that other options are unavailable (Ozimek, 2003; Reichheld, 2003). In other words, customers are “stuck” in doing business with certain parties and are not truly loyal. Attitude-based loyalty considers an individual’s willingness to recommend a product or service to others when asked how well or poorly the person likes the brand and how likely or unlikely the person believes he or she will discontinue or continue business in the future (see, for example, Akhgary *et al.*, 2018). A common method to assess attitude-based loyalty is the Net Promoter Score (NPS), introduced by Reichheld (2003), but this method has been criticized by academics. For example, Hayes (1998, 2008, 2013) criticized the NPS based on Reichheld’s (2003) argument that a single question can be a good measure of loyalty and growth. Furthermore, Keiningham *et al.* (2008) point out that the NPS is too simple for assessing the complex relationship between loyalty and growth. However, the NPS is widely used in various organizations due to its simplicity. Fungáčová *et al.* (2019) argue that various demographic factors, such as gender, age, and education, can explain variations in bank loyalty. This relates to behavior-based loyalty (i.e., whether people switch banks). Research shows that mobility between service providers is lower than in contexts involving tangible products (Zeithaml *et al.*, 2024), and therefore, it is more useful to examine attitudinal loyalty than behavioral loyalty in services (Haeys, 1998, 2008, 2013).

Research questions

This study examines how trust in banks has developed since 2006 and whether there is a connection between trust and loyalty. The following research questions were posed: (i) How have the image attributes of trust and corruption developed from 2006 to 2023?; (ii) What is the relationship between trust and loyalty (measured as the likelihood of switching banks in the next six months)?

Methodology

This chapter explains how the research was conducted and how the data was processed and presented in the results section.

Preparation and implementation

The study is based on 16 online surveys conducted in the same manner in February and March each year. The surveys were conducted annually from 2006 to 2019 and every other year thereafter. Data from 2021 and 2023 is also used in the study. The differences between the surveys were insignificant, but all of them examined the images of the banks being assessed. The same basic attributes were used in all years. In 2021 and 2023, attitudes towards service quality were also measured, and the number of image attributes was reduced. Respondents were also asked throughout the years how likely they were to change banks in the next six months. This question was used as a measure of loyalty. Convenience sampling was employed in all cases, with the data weighted based on the gender and age of the population.

Population, sample, and data analysis

The population in this study are bank customers in Iceland. Table 1 shows the total number of valid responses from the sample.

TABLE 1 - The total number of valid responses

	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2021	2023
Number of responses	661	916	512	572	541	533	800	564	368	889	611	816	821	521	480	640
Proportion of women	72,0%	69,0%	68,4%	71,6%	72,4%	69,2%	66,5%	63,3%	59,8%	60,6%	48,3%	46,9%	51,3%	69,5%	64,6%	57,5%
Proportion of < 30 years old	63,7%	61,9%	55,9%	56,4%	50,1%	48,5%	49,2%	35,7%	56,9%	29,5%	23,6%	18,6%	25,6%	58,2%	23,3%	42,5%

TABLE 2 - An example of how weighting factors were calculated

	Population		Sample		Weighting factors	
	Male (1)	Female (2)	Male (1)	Female (2)	Male (1)	Female (2)
18-24 years old (1)	7,8%	7,4%	10,3%	26,7%	0,75	0,28
25-29 years old (2)	5,8%	5,5%	9,7%	17,0%	0,59	0,32
30-39 years old (3)	11,2%	10,3%	4,6%	17,5%	2,44	0,59
40-70 years old (4)	26,7%	25,4%	3,3%	10,8%	8,09	2,35

Table 1 shows that the number of valid responses varies years, between 368 and 916. The total number of valid responses was 10,245. Table 1 also shows that in most cases, the sample was skewed compared to the population in terms of age and gender. This was addressed by weighting the data based on gender and age, assuming that the sample reflected the gender and age of the population aged 18–70 at the time of the measurement (Statistics Iceland, ed.). Table 2 shows an example of how weighting factors were calculated and used based on these assumptions for one year. The calculation is different for each year, as this ensures that no single group (e.g., young women) skews the results based on the population’s attitude. In all cases, weighted data was used in statistical processing as needed.

The results for the development of the image attributes trust (and corruption) from 2006–2023 are highlighted based on the average score of each image attribute for the years in which the measurement was taken. The relationship between trust and loyalty (based on how likely or unlikely a respondent thought they were to switch banks in the next six months) was assessed based on responses on a 5-point scale, with 1 representing “very unlikely” and 5 indicating “very likely.” Specifically, we assessed the development of the proportion of respondents who gave responses of 4 or 5.

Results

This chapter starts by outlining how trust and corruption developed. It then analyzes the relationship between trust and loyalty. Figure 1 shows how perceived trust and corruption developed from 2006 to 2023. The vertical line represents October 2008 and marks the economic collapse that occurred when the banks went bankrupt.

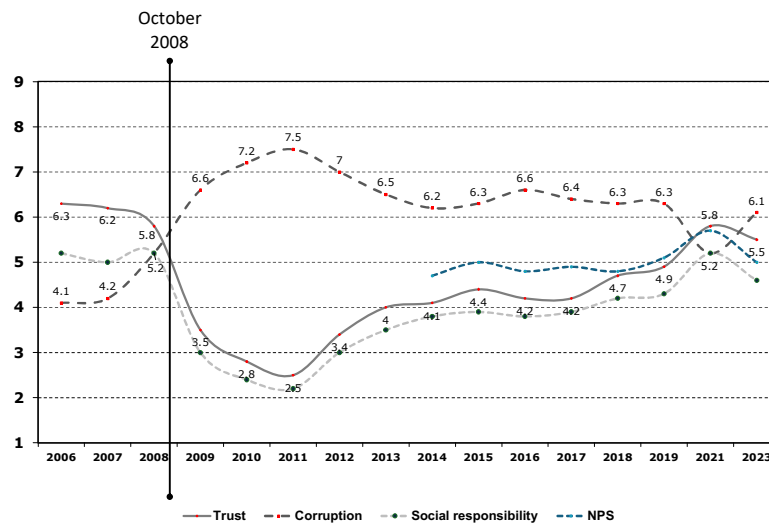


FIGURE 1 - Development of trust from 2006 to 2023

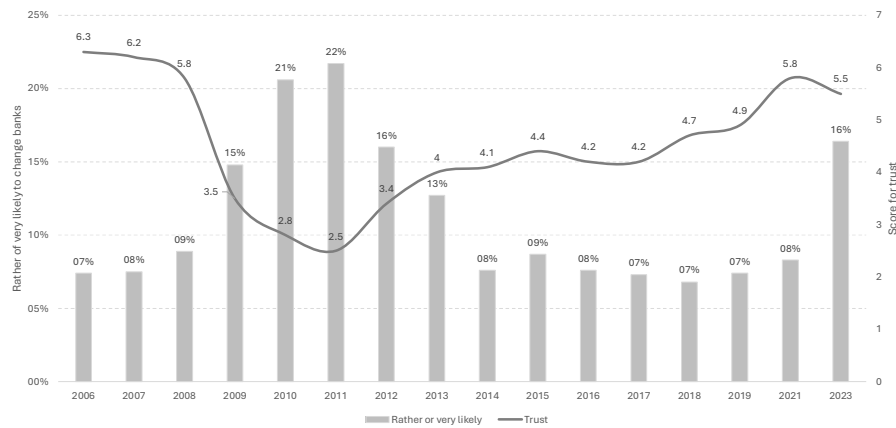


FIGURE 2 - Development trust and the proportion of non-loyal customers

Before the economic collapse, banks were associated with trust and had a weak connection to corruption. In February 2009, the connection with trust weakened significantly and continued to do so in 2010 and 2011 before beginning to strengthen. In 2021, banks' connection with trust was stronger than the connection with corruption for the first time since the collapse. However, the numerical value was lower than before the crash, and in 2023, trust in banks weakened again.

Figure 2 shows the development of trust and the proportion of non-loyal customers (i.e., those who believe they are likely or very likely to change banks in the next six months). In 2006 and 2007, before the economic collapse, 7.4–8.9% of respondents were non-loyal customers. In the same years, trust was measured as high (5.8–6.3 on a 9-point scale).

In 2009, the year immediately following the collapse, the ratio of non-loyal customers rose to 14.8%, and the average trust score dropped to 3.5. This trend essentially remained the same throughout the rest of the study period. That is, as trust in banks weakened, the proportion of non-loyal customers increased, and vice versa. Pearson correlation calculations show a strong (Pallant, 2020) and negative correlation ($r = -0.67$) between trust and non-loyal bank customers.

Discussion and conclusions

This study sought to explain the development of the image attribute trust from 2006 to 2023 and explore the relationship between trust and loyalty. Research shows that the relationship between these factors is generally strong (Zeithaml *et al.*, 2024). The current findings show that before the economic collapse in 2008, banks enjoyed trust, while their connection to corruption was weak (see Figure 1). Immediately after the collapse, trust in banks weakened and perceptions of corruption strengthened. Correlation calculations show an almost perfect negative relationship between trust and corruption ($r = -0.93$). This is unsurprising and corroborates the results of Toader *et al.* (2018). However, they examined the relationship in Eastern European banks, whereas the present study examined this relationship in the Icelandic banking industry.

The results also show a strong negative relationship between trust and the likelihood of switching banks. This finding is consistent with existing research (e.g., Albarq, 2023; Chai *et al.*, 2015; Mosavi *et al.*, 2012). The results indicate that although relatively few people switch banks annually, many people do consider it, suggesting that as it becomes easier to switch banks, people will become more likely to do so. The main theoretical contribution of this study is that it demonstrates a strong negative relationship between trust and perceptions of corruption among banking customers. The results also show a strong positive relationship between trust and loyalty.

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