

Enhancing Corporate Reputation in Saudi Banking Sector

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Agenda

- Introduction
- The rise of corporate reputation
- Corporate Reputation from a customer perspective
- The Research Study (Adapting and validating a corporate reputation measurement scale for Saudi banks)
- Q&A



The Rise of Corporate Reputation: introduction

- > 24/7 mass and social media
- > Code of conduct of financial services institutions
- > Decisions, moves, events are scrutinized
- > It is getting tougher to control
- ➤ Intense climate of surveillance

Etc.,



The Rise of corporate reputation: Academic perspectives on reputation

Discipline	Definition
Economics	Reputations are traits or signals that describe a company's probable behavior in a particular situation
Strategy	Reputations are intangible assets that are difficult for rivals to imitate, acquire or substitute and so create mobility barriers that provide their owners with a sustained competitive advantage
Accounting	Reputation is one of many types of intangible assets that are difficult to measure but that create value for companies
Marketing	Reputation describes the corporate associations that individuals establish with the company name
Communication	Reputations are corporate traits that develop from relationships and communications companies establish with their multiple constituents
Organizational theory	Reputations are cognitive representations of companies that develop as stakeholders make sense of corporate activities



The Rise of Corporate Reputation: Definitions

Reference	Definition
1	"Lasting perception held of an individual, group, or network that forms a collective system of beliefs and opinions that influences people's actions with regards to an organization"
2	"A perceptual representation of a company's past actions and future prospects that describes the firm's overall appeal to key constituents compared to other leading rivals"
3	"It is a reflection of stakeholder's views about an organizations over time"
4	"A stakeholder's overall evaluation of a company over time"



The Rise of Corporate Reputation Dimensions

Fombrun and Rindova (1996) usefully define corporate reputation along five dimensions and conclude that reputations are:

- (1) historically rooted;
- (2) of saliency to external and internal publics;
- (3) based on former (corporate) activities and achievements;
- (4) evaluated in terms of the benefits derived by a stakeholder group; and
- (5) enable the organization to stand out from others in its sector or sectors.



The rise of Corporate Reputation levels of analysis

- ➤ Individual level
- >Firm level
- ➤ Industry level
- ➤ Country Level



Why does reputation matter according to Literature review?

Expected outcomes

- > Encourages to invest in a company
- > Encourages good talents to join a company
- > Enhanced price premium
- ➤ Increases employee loyalty
- ➤ Increases Customer acquisition and Customer retention
- > Communication program earns enhanced credibility
- ➤ and correlates with superior overall returns: sales volume, market share, profitability, and return on investment
- ➤ Word-of-mouth intentions; intention to purchase



Importance of Corporate Reputation in Financial Services (Banking)

- The way people (consumers) make decisions
- ➤ Perception of risk (characteristics of services)
- ➤ A source of competitive advantage
- A strategic tool of great value, helping to achieve long-term objectives
- > CEOs' perception of Corporate Reputation (Institute of directors, 1999)
- ➤ Signaling theory, from information economics perspective (Spence 1973)



Reputation Paradigm: the three schools of thoughts and measurement (Chun,2005)

Approaches	Key audience	Key focus	Measurement scales (Surveys)
The Evaluative school:	Single stakeholder (Investor or managers)	Ranking based on CEO's peer opinion Investors and investment advisors Financial performance is the key	Fortune's Annual America's Most Admired Company (AMAC) survey (Fortune 500 and Fortune 1000 ranking) The Financial Times Most Respected Companies' ranking
The Impressional School	Mainly a single stakeholder view	Marketing-customers Organizational behavior-employee identification	Customer-based corporate reputation scale
The Relational School	Comparison of multiple stakeholder view	Multiple stakeholders in general	Reputation Quotient (RQ model) RepTrak scale (Reputation Institute) RepTrak Pulse scale (Reputation Institute)



SAMA Newsfeed (The first quarter of 2018)

رقم	محتوى الخبر	البعد
1	مؤسسة النقد تلزم شركات التمويل بإنشاء إدارة للعناية بالعملاء	العميل
2	إعلان مؤسسة النقد بشأن رفع الإيقاف عن شركة المتوسط والخليج التأمين التعاوني وإعادة التأمين (ميدغلف)	العميل
3	مؤسسة النقد تعلن إيقاف 3 شركات عن مز اولة نشاطها في مجال التأمين	العميل
4	مؤسسة النقد تصدر ضوابط تحصيل جهات التمويل من عملائها الأفراد	العميل
5	مؤسسة النقد نتظم محاضر ة تو عوية حول اضطراب طيف التوحد	المجتمع
6	إعلان مؤسسة النقد بشأن إلغاء نشاط الوساطة في التأمين لشركة ار اف أي بي العربية السعودية المحدودة لوساطة التأمين و إعادة التأمين	العميل
7	مؤسسة النقد العربي السعودي تعتمد نظام إصدار سندات جديد باستخدام بلوميرغ	استثمار
8	المملكة سبقة في تطويع تطييق التقيك الحديثة وتطوير ها وتقنيمها للعلم	تكنولوجيا
9	مؤسسة النقد تتيح "الشر اء عبر الإنترنت" لحاملي بطاقات "مدى" مطلع أبريل	العميل
10	إعلان مؤسسة النقد بشأن رفع إيقاف شركة وتد الوطنية لوكلة التأمين عن بيع أي وثلق تأمين	العميل
11	إعلان مؤسسة النقد بشأن رفع إيقاف شركة ساب التكافل عن إصدار وتجديد أي وثائق تأمين في نشاط تأمين الحماية والو الادخار	العميل
12	قر ار مؤسسة النقد العربي السعودي بشأن معنل اتفاقيات إعادة الشراء وإعادة الشراء المعاكس	سياسة نقدية
13	"في يوم الوفاء" مؤسسة النقد تحتفي بأبناء منسوبيها المتو فين و تكرم 128 متقاعدا	المجتمع
14	بيل من مؤسسة النقد العربي السعودي بشأن اتفاقيات إعادة الشراء الآجل	سياسة نقدية
15	مؤسسة النقد: 1.43 مليون ريال فيمة عمليات استبدال العملة بالجنلارية	العميل

العميل	مؤسسة النقد تشدد بعدم الحجز على مبالغ ببل غلاء المعيشة والمكافأة	16
العميل	إعلان مؤسسة النقد بشأن رفع إيقاف الشركة الأولى لخدمات التأمين عن بيع أي وثائق تأمين مؤسسة النقد العربي السعودي تستضيف الاجتماع الدولي لمعرف الكيانات القانونية	17
استقرار	مؤسسة النقد العربي السعودي تستضيف الاجتماع الدولي لمعرف الكباتات القاتونية	18
مالي		
مالي العميل	منع شركة المتوسط والخليج للتأمين التعلوني وإعادة التأمين (ميدغاف) من إصدار أو تجديد أي وثائق تأمين	19
	والزامها بزيادة رأس مالها	
العميل	منع شركة اليانز السعودي الفرنسي للتأمين التعلوني من إصدار أو تجديد أي وثائق تأمين إلزامي على	20
	المركبات	
الموظف	مؤسسة النقد تخرج الدفعة الأولى في مجال الأمن السبير اني للقطاع المالي والمصر في	21
المجتمع	المعهد المالي ينظم الحفل الختامي للبرنامج التدريبي المقدم لمنسوبي البنك المركزي اليمني	22
العميل	عدم المساس ببدلات غلاء المعيشة و المكافأة	23
استقرار مالي	بيان الحاقي من مؤسسة النقد العربي السعودي بخصوص الخلل النقني لأنظمة مجموعة سامبا المالية في	24
	شهر مارس 2017م	
المجتمع	مؤسسة النقد العربي السعودي نتظم حملة داخلية للتبرع بالدم بالتعاون مع وزارة الحرس الوطني	25
العميل	إعلان مؤسسة النقد بشأن رفع إيقاف الشركة المتحدة للتأمين التعاوني من إصدار وتجديد أي وثيقة تأمين	26
	الزامي على مركبات جبيدة	
استقرار مالي	" إعلان مؤسسة النقد رفع الحد الأعلى لنسبة مبلغ التمويل إلى قيمة المسكن للتمويل العقاري	27
العميل	خادم الحرمين الشريفين يصدر توجيهاته الكريمة بعدم المساس ببدلات غلاء المعيشة والمكافآت	28
العميل	إعلان مؤسسة النقد بشأن رفع إيقاف شركة التكافل السعودي وكلاء تأمين من إصدار وتجديد أي وثيقة تأمين	29
العميل	إعلان من مؤسسة النقد العربي السعودي حول حساب المواطن	30
العميل	ييان من مؤسسة النقد العربي السعودي حول العملة المعدنية	31



SAMA Communications

Dimension	Number	Percentage
Customer	19	61%
Others	12	39%



Research on Reputation from a customer point of view

- According to Deloitte 2014 global survey on reputation risk, customers were found to be the most important stakeholders (Customers stakeholders were given the highest in importance versus other groups)
- Frank Taussig, a former President of the American Economic Association stated once that, "We must accept the consumer as the final judge" (The Economist, 2006)
- ➤ In a world of pervasive social media, managing customer expectations and perceptions is key



Research problem statement

- As the need to measure reputation of corporates and specifically of banks everywhere arise, we decided that we need to adapt and validate (Walsh et al, 2009) measurement scale for banks in Saudi Arabia
- The measurement scale of corporate reputation (Walsh et al, 2009) has been tested in different settings and service sectors and was found to be valid and reliable but needs to be adapted and validated with Saudi banks.
- ➤ So far, no multidimensional corporate reputation measurement scale exists in the literature to measure corporate reputation of banks in Saudi Arabia



Definition of Customer-based Corporate Reputation

CBR defined as:

"the customer's overall evaluation of a firm based on his or her reactions to the firm's goods, services, communication activities, interactions with the firm and/or its representatives or constituencies and/or known corporate activities". (Walsh et al, 2009)



Corporate Reputation scale (Walsh et al, 2009)

Factor 1: Customer Orientation

- 1. The bank has employees who are concerned about customer needs
- 2. The bank has employees who treat customers courteously
- 3. The bank is concerned about its customers

Factor 2: Good Employer

- 4. The bank looks like a good institution to work for
- 5. The bank seems to treat its people well
- 6. The bank seems to have excellent leadership

Factor 3: Reliable and Financially Strong Company

- 7. The tends to outperform competitors
- 8. The bank seems to recognize and take advantage of market opportunities
- 9. The bank looks like it has strong prospects for future growth

Factor 4: Product and Service Quality

- 10. The bank offers high quality products and Services
- 11. The bank is a strong, reliable institution
- 12. The bank develops innovative services

Factor 5: Social and Environmental Responsibility

- 13. The bank seems to make an effort to create new jobs
- 14. The bank would reduce its profits to ensure a clean environment
- 15. The bank seems to be environmentally responsible



Methodology (1/2)

Steps	Description	Outcomes
Step 1 Developing a precise conception of construct Selecting the original scale of Walsh et al., (2009) for adaptation and validation.	corporate reputation construct with valid and reliable scale according to Walsh et al.,	- An original 15-item scale was the starting point.
Step 2 Developing item pool Adaptation of Walsh et al.'s (2009) CBR scale and item generation.	the baseline and initial phase of new items	- Generated 8 new items and partly adapted 8 original items from Walsh et al. (2009), which leads to a 23-item scale.
Step 3 Developing an item pool and measure purification Item generation (1)	customers sample Assessment of the generated 58 items	 The interview session led to the generation of 58 new items. The 58 items generated in Step 3 were reduced to 9 items for lack of clarity,
Item judgment (1)		reduced to 5 items for lack of clarity, redundancy, and incomplete wording. The updated number of items amounts to 32 items.



Methodology (2/2)

Steps	Description	Outcomes
Step 4 Developing an item pool and measure purification Item generation (2) and item judgment (2)	8 executives level workshop was conducted from Saudi financial services sector.	 Adding one new item. Rewording 4 existing items. Elimination of 2 items. New total number of items amounts to 31
Step 5 Pre-testing	After the questionnaire items have been translated into Arabic and back translated to English to ensure precision in translation, the survey was pre-tested using a sample of 15 individuals to make sure it is free from typos and inconsistencies.	- v
Step 6 Assessing scale reliability and validity Final data collection and statistical testing	distributed to a much bigger sample of banks' customers using graduate students from Saudi universities. Collected data was then put to statistical test to examine validity and reliability. Exploratory Factor Analysis and	Initially, 491 filled questionnaires, the final



31- item scale for testing

Factor 1: Customer Orientation

- 1. The Bank has employees who treat customers courteously
- 2. The Bank has employees who are concerned about customer needs
- 3. The bank is concerned about its customers
- 4. The bank caters to customers looking for shariah-compliant products and services
- 5. The bank has employees who are well-versed in shariah-compliant products and services
- 6. The bank provides excellent after-sales services

Factor 2: Good Employer

- 7. The bank looks like a good bank to work for
- 8. The bank seems to treat its people well
- 9. The bank seems to have excellent leadership
- 10. The bank seems to provide distinctive talent development programs
- 11. The bank provides best work environment for its employees
- 12. The bank seems to provide top of notch employee knowledge

Factor 3: Reliable and Financially Strong Company

- 13. The bank tends to outperform conventional banks
- 14. The bank seems to recognize and take advantage of untapped market opportunities
- 15. The bank looks like it has strong prospects for future growth in unexploited market niches

- 16. The bank seems to have an effective corporate governance structure
- 17. The bank seems to innovate continuously
- 18. The bank seems to have a trustworthy shari'ah Board

Factor 4: Product and Service Quality

- 19. The bank is a strong, reliable bank
- 20. The bank develops innovative products and services
- 21. The bank offers high quality products and services
- 22. The bank offers products and services that reflect shariah's ethical values
- 23. The bank offers products and services that are genuinely designed according to shari'ah
- 24. Offers products and services that are genuinely designed according to shariah
- 25. The bank offers customized formats of shari'ah-compliant contracts that are fairer and more equitable
- 26. The bank offers transparent and clear shariah- compliant contracts

Factor 5: Social and Environmental Responsibility

- 27. The bank seems to make an effort to create new jobs
- 28. The bank seems to be environmentally responsible
- 29. The bank would reduce its profits for social responsibility causes
- 30. The bank seems to provide financial solutions to less privileged individuals and business owners
- 31. The bank seems to contribute to reducing financial illiteracy in society



Final (18-item) validated scale

Factor 1	: Customer Orientation		
1	Bank has employees who treat customers courteously		
2	Bank has employees who are concerned about customer needs		
3	Bank is concerned about its customers		
Factor 2	: Good Employer		
4	Bank looks like a good bank to work for		
5	Bank seems to treat its people well		
6	Bank seems to have excellent leadership		
7	Bank provides best work environment for its employees		
Factor 3	: Reliable and Financially Strong Company		
8	Bank seems to recognize and take advantage of untapped market opportunities		
9	Bank looks like it has strong prospects for future growth in unexploited market niches.		
10	Bank seems to innovate continuously		
Factor 4	Factor 4: Product and Service Quality		
11	Bank offers products and services that reflect shari'ah's ethical values		
12	Bank offers products and services that are genuinely designed according to shari'ah		
13	Bank seems to have a trustworthy shari'ah board		
Factor 5	: Social and Environmental Responsibility		
14	Bank seems to make an effort to create new jobs		
15	Bank seems to be environmentally responsible		
16	Bank would reduce its profits for social responsibility causes		
17	Bank seems to provide financial solutions to less privileged individuals and business owners		
18	Bank seems to contribute to reducing financial illiteracy in society		



Findings

- ➤ Our results show that Walsh et al (2009) CBR short scale is robust since 12 items out of the 15 original items survived the Saudi context. This not only confirms that the CBR for banks is multifaceted, but also present an evidence supporting the validity and reliability of Walsh et al. (2009) short scale.
- The 18-item adapted and validated CBR scale (as exhibited in the previous slide) shows that six new suggested items survived the confirmatory factor analysis. This testifies that these items are upheld when the CBR scale for banks is measured.



General managerial implications and Recommendations (1/2)

- ➤ Banks may need to consistently identify their stakeholders well and specifically their customers and subsequently determining their expectations of the bank's performance
- ➤ Reputation is a multi-dimensional construct. And banks need to explore what are these dimensions
- ➤ Banks may need to design and redesign their best reputation measurement scale according to their customer multifaceted needs and expectations along five or six dimensions
- > Customer satisfaction is only small part of managing reputation
- > Investing in reputation management is a long term process
- > Working on stakeholder engagement and communications programs



General managerial implications and Recommendations (2/2)

- Reputation measurement and management should be a major component of the strategic management of the bank (in addition to traditional financial indicators)
- ➤ Board of directors and CEOs may need to give more emphasis to managing their corporate reputation more proactively from a customer's point of view
- Communications functions/departments may assume an expanded role where reputation management is included and systematically managed.



Research specific managerial implications and recommendations

- ▶ Banks may need to understand what their customers expect their performance to look like in these five dimensions of corporate reputation: (1) Customer Orientation, (2) Good Employer, (3) Reliable and Financially strong company, (4) Product and Service Quality, and finally (5) Social and environmental responsibility
- > The following item measures seem to be of special value in building and managing corporate reputation for Saudi banks:
 - **✓** Work environment conditions
 - ✓ Financial inclusion & financial education
 - **✓** Ethical values
 - ✓ *Shari'ah* Board
- ➤ Banks may need to periodically diagnose their reputation according to these measures benchmarked against themselves and their peers in the sector and subsequently work to improve it.



Conclusion

Limitations

- > Convenience sampling technique
- ➤ Time constraint prevented expanding samples for qualitative research
- Access to banks' customers for sharing their views on reputation has been a challenge

Further research suggestions

- > Random sampling technique
- Examining the scale in different setting sectors
- Examining the scale in other sectors
- > Including different stakeholders
- Exploring the extent of reciprocal relationship between banks and other levels of reputation



Thank you for your attentiveness

QUESTIONS & ANSWERS

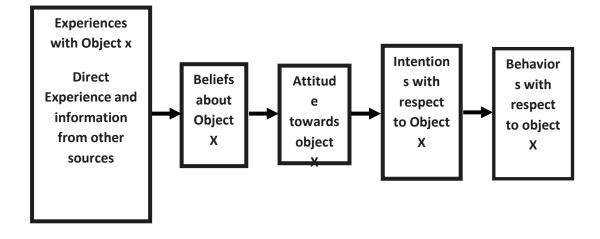


Appendices



Theory of Reasoned Action

Source: Adapted from Fishbein and Ajzen, 1997



Fishbein and Ajzen (1975), in Theory of Reasoned Action, point out that beliefs are the backbone of their theory proposed. They indicate that beliefs are shaped based on one of two ways: one based on experience and observation and the second one based on information received from other external sources. As per their theory, beliefs lead to attitude formation toward an object. Then, Attitudes formed toward an object, lead to certain intention to behavior in certain way with relation to that object, and eventually intention to behavior leads to actual behavior.



Corporate Reputation-Cognitive scale items (Walsh et al 2009)

Factor 1: Customer Orientation

- 1. The bank has employees who are concerned about customer needs
- 2. The bank has employees who treat customers courteously
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- 15. The bank seems to be environmentally responsible



RepTrak Pulse Scale items of corporate reputation (affective)

by Ponzi, et al, (2011)

- 1. Bank x is a bank I have a good feeling about
- 2. Bank x is a bank that I trust
- 3. Bank x is a bank that I admire and respect
- 4. Bank x has a good overall reputation



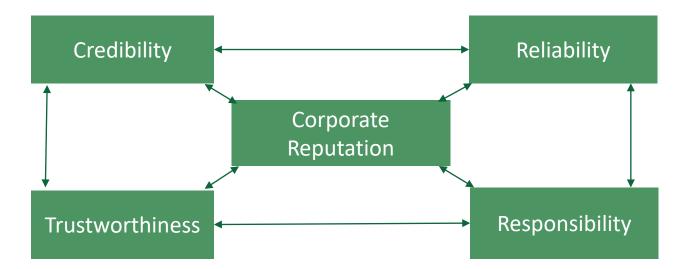
Corporate Reputation and Related Theories

- There are some organizational strategy theories that had some impact on the formation of corporate reputation in the marketing literature,
 including:
- The institutional theory
- The signaling theory
- The resource-based -view
- The Stakeholder theory



What makes a good reputation?

Source: Fombrun (1996) Harvard Business School Publishing





Bromley (2000) describes three levels of information processing

Level	Definition
Primary level	Based upon our personal experience
Secondary level	Based upon what friends or colleagues say about an organization
Tertiary level	Based upon mass media information



The Reputation Quotient scale (RQ) Fombrun et al, 2000

- It consists of six factors and twenty items
- Most of the scale's factors question the rational appeal of the measure as opposed to one factor that questions the emotional appeal (17 items).
- The factors that revolve around the rational appeal evaluate the corporate reputation on five factors: products and services, financial performance, vision and leadership, workplace environment and social and environmental responsibility
- The emotional appeal factor includes the following items:
- 1- Have a good feeling about the company;
- 2- Admire and respect the company;
- 3- Trust the company a great deal (Fombrun et al., 2000).



Sample Demographics

Measure	ltem	Frequency	Percentage
	Male	438	92
Gender	Female	38	8
	18-24 years	20	4.2
	25-34 years	110	23.1
Age	35-44 years	159	33.4
	45-54 years	101	21.2
	55 years and above	86	18.1
	High School	39	8.2
Education	2-year diploma	38	8
	4-year College	219	46
	Higher Education	180	37.8
Length of relationship	Less than a year	29	6.1
in Years	2-5 years	67	14.1
	6-9 years	70	14.7
	10 years above	310	65.1
N= 476			



KMO and Bartlett's Test

Test details		Results
Kaiser-Meyer-Olkin Measure	e of Sampling Adequacy	.888
Bartlett's Test of Sphericity	Approx. Chi-Square	4075.827
	df	153
	Sig.	.000

- Factor analysis is a commonly used method for data reduction into meaningful latent variables. It assesses the intercorrelations among a number of items and groups them into various dimensions commonly known as factors. we used exploratory factor analysis to examine the dimensionality of underlying latent measures.
- To evaluate the dimensionality of the customer-based corporate reputation scale, a principal component analysis with varimax rotation has been used. Kaiser-Meyer-Olkin (KMO) Measure of Sampling Adequacy and Bartlett's Test of Sphericity have been used to assess the suitability of the data for the factor analysis.
- ➤ Both tests indicate that the data is suitable for factor analysis as the KMO values are well above 0.7 and Bartlett's Test of Sphericity is not significant.



Exploratory factor analysis Process

- ➤ Various criteria such as inter-item correlations, communalities, and cross-loading have been used to refine the scales. Using the high cross-loadings criteria resulted in eliminating three items from Customer Orientation scale, two items from Good Employer scale, three items from Reliable and Financially Strong Company scale, and four items from Product and Service Quality.
- All the items of Social and Environmental Responsibility were retained because no issues related to cross-loadings were observed in any of the items in Social and Environmental Responsibility scale. All the items loaded on to the respective factor except on the items of Financially Strong Company (i.e., RFSC7). Maybe due to the working of the question it merged into Product and Service Quality component. Table (previous slide) summarizes the results of exploratory factor analysis with varimax rotation



Rotated component matrix

SER2 0.837 SER3 0.816 SER4 0.736 SER5 0.723 SER1 0.629 GE2 0.838 GE5 0.775	Component					
SER3 0.816 SER4 0.736 SER5 0.723 SER1 0.629 GE2 0.838 GE5 0.775	5					
SER4 0.736 SER5 0.723 SER1 0.629 GE2 0.838 GE5 0.775						
SER5 0.723 SER1 0.629 GE2 0.838 GE5 0.775						
SER1 0.629 GE2 0.838 GE5 0.775						
GE2 0.838 GE5 0.775						
GE5 0.775						
0.115						
GE1 0.715						
GE1 0.715						
GE3 0.688						
PSQ5 0.830						
RFSC6 0.818						
PSQ4 0.785						
RFSC2 0.813						
RFSC3 0.802						
RFSC5 0.681						
CO2 0.8	353					
CO1 0.8	39					
CO3 0.6	668					

Extraction Method: Principal Component Analysis.

Rotation Method: Varimax with Kaiser Normalization.

Percentage of variance explained: 69.615%

Test details		Results	
Kaiser-Meyer-Olkin Measu	.888		
Bartlett's Test of Sphericity	Approx. Chi-Square	4075.827	
	df	153	
	Sig.	.000	



Confirmatory factor analysis (Amos 23)

Fit Index	Recommended	Obtained Value	Reference		
	Value				
Normed Chi-square	<=5.00	2.72	Hu & Bentler		
(χ2/df)			(1999)		
GFI	>=0.90	0.93	Jöreskog & Sörbom		
			(1982)		
AGFI	>=0.80	0.90	Jöreskog & Sörbom		
			(1982)		
TLI	>=0.90	0.94	Hu & Bentler		
			(1999)		
CFI	>=0.90	0.95	Hu & Bentler		
			(1999)		
RMSEA	<=0.08	0.05	Hu & Bentler		
			(1999)		

- The confirmatory factor analysis (CFA) is a mathematical technique that is generally used to substantiate the factor structure of the underlying variables. It allows for the examination of the reliability and validity of the scale. To check the psychometric properties of the scales in terms of reliability and validity we carried out a confirmatory factor analysis on the five dimensions extracted form exploratory factor analysis using AMOS 23. A measurement model was developed by drawing covariance among each latent construct.
- The fit indices of the measurement model (Chi-square (χ2) = 399.70, df= 125, χ2/df= 2.72, GFI=.93, TLI=0.94, NNFI=.93, CFI=.95, and RMSEA=.05) indicate an adequate model fit. The goodness of fit measures are acceptable as all the fit indices meet the minimum requirements of an acceptable model fit. Table shows the obtained values and corresponding the recommended values for each of the fit index.



Scale Reliability

After achieving an adequate model fit, we assessed the reliability and validity of the underlying scales. Cronbach's alpha coefficients (α >0.7) and composite reality (CR> 0.7) measures of the latent constructs have been observed to assess the reliability of each construct (Nunnally, 1978). (Table in next slide) shows that both the Cronbach's alpha coefficients and composite reality values are well above 0.7 for each construct. In addition, the standardized path coefficients of each item are also reported.



Scale reliability

Constructs	Items	Standardized path coefficients	Alpha	CR	AVE
Customer	CO1	0.722	0.774	0.807	0.582
Orientation -	CO2	0.813			
	CO3	0.751			
Good Employer	GE1	0.654	0.805	0.823	0.539
	GE2	0.740			
	GE3	0.778			
	GE5	0.758			
Product and Service Quality	PSQ4	0.887	0.877	0.888	0.725
	PSQ5	0.882			
	RFSB7	0.782			
Reliable and	RFSB2	0.783	0.778	0.802	0.574
Financially	RFSB3	0.732			
Strong Company	RFSB5	0.757			
	SER1	0.678	0.839	0.879	0.593
Social and	SER2	0.820			
Social and Environmental	SER3	0.835			
Responsibility -	SER4	0.748			
	SER5	0.758			

Note: Alpha= Cronbach's alpha, CR= Composite reliability, AVE= Average variance extracted



Convergent and Discriminant Validity

- In order to assess the convergent and discriminant validity of the scales we followed the criteria proposed by Fornell & Larcker (1981). According to Fornell & Larcker (1981) to achieve convergent validity the average variance extracted (AVE) for each scale should be greater than 0.5. The AVE values for each of the construct is greater than the 0.5, then convergent validity is established.
- For the discriminant validity, the AVE values for each construct should be greater than the shared variance of the other constructs (Fornell & Larcker, 1981). (Table in next slide) (shows that the square root of AVE for each construct is greater than the correlation among other constructs, this established the discriminant validity of the scale.



Convergent and Discriminant Validity

Latent Constructs	GE	PSQ	RFSC	SER	СО
Good Employer (GE)	0.734				
Product and Service Quality (PSQ)	0.518	0.852			
Reliable and Financially Strong Company (RFSC)	0.574	0.646	0.758		
Social and Environmental Responsibility (SER)	0.535	0.655	0.612	0.77	
Customer Orientation (CO)	0.574	0.486	0.493	0.463	0.763

Note: Diagonal elements are square root of AVE and off-diagonal elements are the correlations among latent constructs