





“Do trust and corporate social responsibility activities affect purchase intentions? An examination using structural equation modeling”

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DO TRUST AND CORPORATE SOCIAL RESPONSIBILITY ACTIVITIES AFFECT PURCHASE INTENTIONS? AN EXAMINATION USING STRUCTURAL EQUATION MODELING

Abstract

Organizations place great value on corporate social responsibility (CSR), as it has been found to influence customer attitudes and intentions. This study analyzed the impact of CSR on consumers' purchase intentions. The significance of this study arises from the fact that all progressive companies are increasing their expenditure on CSR activities. In this study, purchase intention was considered as a dependent variable, while trust, ethical, and legal CSR activities were the independent variables. Data for the study was collected from 210 randomly chosen respondents from amongst consumers of Delhi and National Capital Region of India. The data, analyzed using Structural Equation Modeling, found that trust, ethics, and legal CSR activities directly impacted consumer purchase intentions. These results indicate that legal factors do not significantly influence the corporate decision on spending on CSR activities. On the other hand, ethical factors and trust factors significantly influence the corporate decision on expenditure on CSR activities. The findings highlight companies' requirements to be conscious of their social image. Probable limitations of the study could include sample size and the number of variables chosen.

Keywords

social responsibility, purchase intention, structural equation modeling, ethics, trust, legal CSR activities

JEL Classification

M14, M31, M38

INTRODUCTION

Corporate social responsibility (CSR) has gained widespread attention in India since it became mandatory in April 2014 by amendment of the Companies Act. Companies are expected to involve in and contribute to the development of society. This has made companies enhance their expenditure in education, healthcare, training, women empowerment, and rural development (Poddar et al., 2019). CSR is also considered as an essential contributing factor for sustainable development (Kolk, 2016). CSR businesses can contribute to the growth, happiness, and prosperity of the society. CSR helps business organizations to differentiate themselves through generating competitive advantage (Peloza & Shang, 2011). Competitive advantages would, in turn, create value for the company and its consumers. Such companies pay concerted attention to creating value for all their stakeholders. Consumers being the most important stakeholder, the value created for them is a strong determinant that trigger buying decisions (Xu et al., 2014). Multiple shreds of evidence exist to prove that consumers prefer companies that spend on CSR activities, be socially conscious, and engage in social development (Lee & Lee, 2015; Parsa et al., 2015;

Ramasamy & Yeung, 2009). Perceived brand image and social acceptance are higher for socially responsive companies (Kim, 2019). Socially responsive organizations have been found to elicit positive responses and retention from consumers. This, in turn, has a direct impact on organizational profitability. However there are contrary views, also found in the literature. For instance, Fatma and Rahman (2016) found that consumers are more concerned about their economic benefits and are rarely influenced by the organization's social concern. They focus on personal services and will prefer to buy products that can satisfy them. Vaaland Terje I. et al. (2008) also found that customers do not consider CSR activities while making a purchase decision. Thus, there is a need to look into this aspect objectively.

Multiple studies about CSR have been done in the western world about the impact of CSR on consumer buying preferences, e.g. Salmones and Perez (2018), Grappi et al. (2013), He and Li (2011), Lacey and Kennett-Hensel (2010), and others. But very few examinations are done in India. However, scant literature exists regarding CSR's impact on consumer buying behavior (Bhattacharya et al., 2009). This paper intends to bridge this gap by addressing the question: "Do consumers prefer companies that spend more on the CSR activities"? Based on this, the study's main objective is to measure CSR activities' impact on consumer buying intention. The result of the study will facilitate in estimating the possibility of marketing returns from CSR expenditure.

1. LITERATURE REVIEW AND HYPOTHESES

Research interest in CSR has attracted widespread attention in recent days (Naushad & Malik, 2015; Simionescu, 2015). Much attention from administrators, academicians, researchers, and managers has outlined its importance, if not indispensability. Corporates now use CSR to build brand equity and retain their customers (Kim, 2019; Reich et al., 2010). Governments also consider it essential for businesses to get involved in social issues (Carroll & Shabana, 2010; Roitto, 2013). However, there is no universally accepted definition for CSR. It has been identified as voluntary efforts for society's development and growth (Kilcullen Maureen & Ohles Kooistra Judith, 1999). These efforts are often remain and considered beyond state laws. Organizations often engage in CSR so that business and society can grow simultaneously (Kotler & Lee, 2005). CSR can be considered to envisage all social and environmental dimensions into their business process and business strategy (Erkollar & Oberer, 2012). Therefore, to structure the current problem and investigate the gap available in the literature, it is first necessary to underpin the theoretical background of the topics. The next subsections will explore the multiple sub-components and their theoretical and practical relevance prevailed in the literature.

1.1. Theoretical perspectives

CSR can be discussed from the Stakeholder Theory and Normative Stakeholder Theory perspective. Both the theories address the cardinal question that managers need to ask themselves – To whom am I responsible? Further, both theories are built on the proposition that different stakeholders have varying needs. Stakeholder Theory focuses on the ethicality of the CSR initiatives. According to this, managers need to recognize and deal with a broad section of stakeholders (Aguinis, 2011). According to Smith (2003), this theory is based on the precinct that businesses need to give due consideration to the effects of their activities, without exception to all aspects of all stakeholders. The focus of Normative Stakeholder Theory is on ethics. The theory proposes that businesses need to be accountable morally to address all their stakeholders (Davies, 2003). The theories pre-suppose that values are inevitable and explicitly form part of any business.

CSR is a double-edged sword that simultaneously safeguards an organization from the community's negative impacts while maximizing the positive effects (Pinney, 2001). CSR has acquired importance as an effective business strategy (Luo & Bhattacharya, 2006). Its utility is to help build a competitive position among peers, expand the business, and retain customers (Albus, 2012). CSR has also been found to increase financial performance and profitability.

Therefore, business organizations are increasingly investing in CSR activities (EI-Garaihy et al., 2014; Ghosh & Gurunathan, 2014).

Consumer attitudes towards CSR affect the buying decision. They are likely to have a lenient view and purchase from companies spending heavily on CSR activities (Ahmed et al., 2020; Galant & Cadez, 2017; Mulaessa & Wang, 2017; Servera-Francés & Piqueras-Tomás, 2019). Voluntary activities under economic, legal, ethical, and philanthropic factors are traditionally known as CSR (Carroll, 1979). Consumers exhibit positive responses to organizations involved in CSR activities (Lee & Lee, 2015; Parsa et al., 2015). CSR is likely to sustain organizations, even in volatile and challenging market situations. It can foster trust among consumers (Choi Beomjoon & La Suna, 2013; Pérez Andrea & Rodríguez del Bosque Ignacio, 2014). Based on these, the authors have identified ethics, legality, and trust as factors capable of influencing consumers' purchase decisions. This proposition is in line with Mulaessa and Wang (2017) and Nicolaidis (2018). Next subsections investigate these variables by providing brief descriptions.

1.2. Ethical CSR activities

Though ethics and CSR have distinct characteristics, they are often considered the same (Dimitriades, 2007; Goel & Ramanathan, 2014). Business ethics is a branch of applied ethics that examines moral or ethical problems that could arise from the business background (Stanwick & Stanwick, 1998). Ethical CSR activities refer to the approach that an organization takes to treat its stakeholders. Organizations need to treat their stakeholders equally and fairly. Goel and Ramanathan (2014) studied CSR in the backdrop of Stakeholder Theory and proposed that it needs to be based on the paradigm of ethics and certain other dimensions. Ethics is the fulcrum around which the Normative stakeholder theory revolves. Drawing from the philosophy of ethics, Rodin (2005) states that businesses are morally bound to take care of a broad spectrum of stakeholder concerns.

Carroll (1979) considers CSR to encompass expectations associated with economic, legal, ethical, and philanthropic aspects. According to Nicolaidis (2018), CSR is built on the edifice of ethical and

legal philanthropic activities. All the internal operations and dealings with stakeholders, including employees, are ethical and responsible. Any unfair treatment of stakeholders needs to be avoided (Carroll, 1991). All material information needs to be disclosed to the customers in every transaction. Customers need to have product choices and must have the possibility of product comparison. Based on the review, it is hypothesized that "Ethical aspects have a positive relationship with the purchase intention."

1.3. Legal CSR activities

Companies must utilize available opportunities to grow and expand at a rapid pace. However, this needs to be within the framework of rules and regulations. Voluntary compliance with all laws and regulations of the land brings a positive image of the organization to the consumers. Business organizations need to comply with all laws of the land (Carroll, 1991). Consumers incline towards goods and services of organizations that comply with rules and regulations. CSR is a predisposition on the organization's part to continue its activities beyond mere legal obligations (Servera-Francés & Arteaga-Moreno, 2015).

Compliance with all rules and regulations, and beyond them, positively impacts consumers' minds and directly impacts purchase intentions (Lee & Lee, 2015). Organizations pursuing economic goals based on the local legal framework will positively influence consumers and society (Lee & Lee, 2015; Mulaessa & Wang, 2017). Firms sensitive to the laws and fair in business transmits are a positive message to the consumers. This influences the firm's image and the resultant purchase intention of consumers. In general, the legal aspects of CSR positively affect purchase intentions. Based on these, it is hypothesized that "Legal aspects have a positive relationship with the purchase intention."

1.4. Trust

Trust is an essential factor that influences consumers (Oney et al., 2017). Organizations that command consumer trust can take on the turbulence in the markets, are effective and sustainable (Mulaessa & Wang, 2017). Trusted organizations are more sustainable and compete effectively

in the industry. Organizations need to build full trust with its consumers about their products, services, and compliance and acquiescence with the land laws. Substantial evidence shows that CSR positively affects the corporate reputation and image, influencing consumer trust (Barcelos et al., 2015; Choi Beomjoon & La Suna, 2013; Oney et al., 2017; Servera-Francés & Arteaga-Moreno, 2015). Consumers prefer to buy from organizations that have developed trust as a result of having healthy CSR activities

Trust exists "...when one of the parties in exchange is aware of the reliability and integrity of other party" (Morgan & Hunt, 1994). Trust is something that is based on consumers' beliefs, feelings, and expectations towards the organization. It relies on how far the organization provides importance to CSR. CSR activities can improve organizational reputation and image (Pérez Andrea & Rodríguez del Bosque Ignacio, 2014). The highly positive impact of CSR on trust, despite service failure and subsequent recovery, has been observed by Choi and La (2013). Based on these, it is hypothesized that "Trust has a positive relationship with the purchase intention."

1.5. Purchase intention

Purchase intention indicates the desire of an individual to purchase a product. Several factors can affect the intent to buy a product. For instance, celebrity endorsement, advertising, sales promotion incentives, and service quality influence purchase intentions. Information quality plays a vital role in influencing consumer purchase intentions. The Internet has made it easier to search for information related to products. Thus, informed choices are now possible. Consumers develop positive feelings if CSR activities develop perceived value. The value generation could, in turn, increase consum-

er loyalty (Gallarza & Saura, 2006). CSR activities also enhance corporate reputation and loyalty, as well as facilitate retention (Galant & Cadez, 2017).

Economic, legal and ethical CSR activities also influence consumers' intentions to purchase (Bae & Kim, 2013; Lee & Lee, 2015; Naushad, 2018; Uhlig et al., 2020). Companies spending on CSR activities are more competitive and can build an effective organization (David et al., 2005). It is in the organization's interest to maintain a positive attitude towards CSR activities because it impacts the consumer's purchase intention (David et al., 2005; Ramesh et al., 2019).

Therefore, in an attempt to testify the above discussion in the form of empirical evidence, the following research model can be proposed for this study (Figure 1).

Figure 1 provides the accumulative hypothesized model for this study. The study is interested in determining whether the factors emerged from literature and discussed in the above section (which include, ethical and legal CSR activities and trust) will help shape the purchase intention of the sample taken for the study. The following hypotheses can be framed:

- H_1 Ethical aspects have a positive relationship with the purchase intention.
- H_2 Legal aspects have a positive relationship with the purchase intention.
- H_3 Trust has a positive relationship with the purchase intention.

The next section discusses the methodology adopted to test the hypotheses.

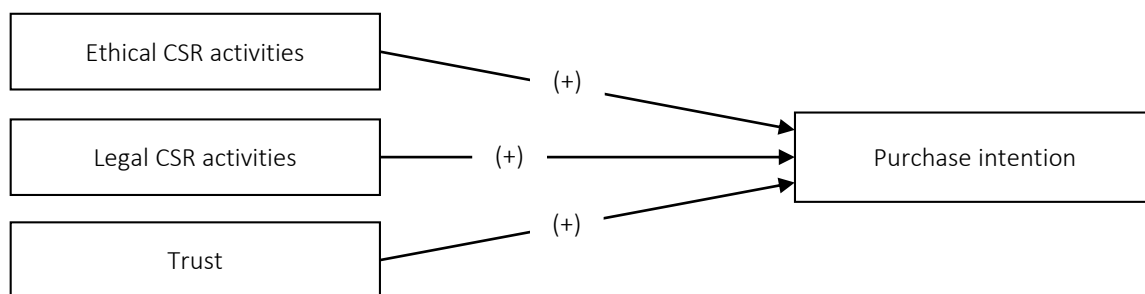


Figure 1. Research model

2. RESEARCH METHODOLOGY

2.1. Data collection instrument

There are various instruments available in the literature to measure CSR. However, the measure developed by Sweeney and Soutar (2001) is widely accepted. This scale (also known as PERVAL) has three primary dimensions such as emotional, social, and functional. This study used this measure to collect data. The major factor to this choice is its acceptability and validity in the service environment. Moreover, this scale is validated widely in previous research (Gallarza et al., 2020; Ivanauskienė et al., 2012; Marin et al., 2009; Sandström et al., 2008; Sweeney & Soutar, 2001; Walsh et al., 2014).

The questionnaire had a five-point Likert scale, ranging between Strongly agree and Strongly disagree. The questionnaire had two parts. The first part had the respondents' demographic profile, and the second had the study constructs. The questionnaire intends to receive accurate and relevant information from the respondents. The study constructs (Carroll, 1991) are:

1. **Ethical CSR activities** consisting of five items.
2. **Trust** with four items.
3. **Legal CSR activities** with three items.
4. **Purchase intention** with four items.

2.2. Data collection and analytical tools

Data was collected from a sample of 210 respondents via the Google survey form, Facebook, and Whatsapp. A convenience sampling method was adopted to collect data for the study. To analyze the data, statistical techniques, such as exploratory factor analysis (EFA), confirmatory factor analysis (CFA), and structural equation modeling (SEM), were used. EFA was used to determine the factors, and CFA was used to confirm the selected variables. SEM was used because it simultaneously checks all the study variables in the model (Chin, 1998).

3. DATA ANALYSIS AND RESULTS

IMB SPSS 23 and IBM AMOS 23 were used to analyze the data. Statistical Package for Social Sciences (SPSS) was used for the basic analysis. Exploratory factor analysis was used to reduce the number of items and determine the construct for the study. Further, confirmatory factor analysis was performed to analyze model fitness, composite reliability, average variance extracted, and discriminant analysis.

Table 1. Demographic profile

Particulars	Frequency	Percentage
Age		
20-25	22	10.5
25-30	110	52.4
30 -35	50	23.8
35 and above	28	13.3
Total	210	100.0
Gender		
Male	110	52.4
Female	100	47.6
Total	210	100.0
Qualification		
Undergraduate	2	1.0
Graduate	100	47.6
Post Graduate	108	51.4
Total	210	100.0
Monthly income (INR)		
0-25000	80	38.1
25,000-50,000	66	31.4
50,000-75,000	48	22.9
75,000-100,000	16	7.6
Total	210	100.0

Construct validity refers to whether a construct is capable of measuring what it is supposed to measure. Construct validity consists of two components – convergent validity and discriminant validity. Convergent validity measures how close are the indicators variables to measuring a construct. Convergent validity value must be more than 0.50 to be acceptable. Table 2 shows that all the average variance extracted (AVE) values are greater than 0.50. This indicates good convergent validity, as suggested by Fornell and Larcker (1981) and Hair et al. (1998). The composite reliability (CR) measures the internal consistency among the indicator variables of a particular construct. The CR values are above the rule of thumb (Hair et al., 2016). All four constructs thus enjoy composite reliability.

Table 2. Construct validity and reliability

Constructs	Item code	Items	Loading	AVE	CR
Ethics	Ethics1	Company follows strict ethical code of conduct	0.53	0.541	0.77
	Ethics2	Company treats all the employees equally	0.78		
	Ethics3	Company respects all cultures equally	0.73		
	Ethics5	Company Adopts environment friendly practices	0.56		
	Ethics6	Company promotes educational activities free of cost	0.6		
Trust	Trust1	Company makes credible promises	0.55	0.66	0.76
	Trust2	Company is honest with its staff	0.81		
	Trust3	The company always keeps the promises it makes	0.65		
	Trust4	If there is any problem, company supports me	0.66		
Legal	LEg1	My company ensures that employees follow the organizational rules and regulations	0.28	0.54	0.61
	LEg2	My company encourages formal and disciplined work culture	0.67		
	LEg3	My company follows the principles defined by the regulatory system	0.65		
Purchase intention	PI1	I would buy new products of this company	0.79	0.77	0.85
	PI2	I would recommend products this company to others	0.78		
	PI3	I would buy products of this company continuously	0.75		
	PI4	I am satisfied with the products and would prefer to buy in future	0.76		

3.1. Discriminant validity

Discriminant validity shows how different are the latent variables from other constructs in the model (Hair et al., 2016; Hulland, 1999). Discriminant validity is assessed by comparing the AVE's square root with correlations of the latent variables (Fornell & Larcker, 1981). The AVE's squared roots have to be higher than the *r*-values of other constructs (Hair et al., 2016). It can be seen from Table 3 that *r*-value is higher than the square roots of AVE (Fornell & Larcker, 1981). This shows that the rule of thumb for discriminant validity is met (Fornell & Larcker, 1981; Hair et al., 2016).

Table 3. Discriminant validity

Constructs	Trust	LEg	Ethic	CSR expenditure
Trust	0.812			
Legal	0.266	0.735		
Ethic	0.444	0.317	0.647	
Purchase intention	0.334	0.224	0.334	0.878

Confirmatory factor analysis was used to measure the reliability and validity of the questionnaire for this study. Confirmatory factor analysis was also used to test the fitness of the study model. The CFA model consisted of four constructs and 16 items. The model was tested and desired values were achieved. CMIN/DF value achieved is 3.802, which must be between 2.00 and 5.00

for the good fit. GFI value achieved is .831, which must be around 0.90 for the good fit. AGFI value achieved is .831, which must be around 0.90 for the good fit. CFI value achieved is .779, which must be around 0.90 for the good fit. NFI achieved value is .727, which must be around 0.90 for the good fit. The model for this study is fit on all the parameters that are considered important by the researchers. Therefore, overall model is adequately fit against the set values.

Table 4. Hypotheses testing

Particulars	Estimate	S.E.	C.R.	P
Purchase intention ← Legal	0.113	0.071	1.598	0.110
Purchase intention ← Ethics	0.213	0.065	3.257	0.001
Purchase intention ← Trust	0.254	0.074	3.416	0.000

It is evident from Table 4 that legal factors do not significantly influence the corporate decision on expenditure on CSR activities because the *p* value is 0.110, which is more than .05. Therefore, null hypothesis is accepted. On the other hand, ethical factors significantly influence the corporate decision for expenditure on CSR activities because *p* value is 0.001, which is less than .05. Therefore, null hypothesis is rejected. Furthermore, Trust factors also significantly affect the corporate decisions for expenditure on CSR activities because *p* value is 0.000, which is less than .05, therefore, null hypothesis is rejected.

4. DISCUSSION

CSR is an essential business strategy for business organizations. Companies are trying to position themselves as socially responsible organizations (Bhattacharya et al., 2009; Glavas & Godwin, 2013). They are spending heavily on social and environmental dimensions (Yadava & Sinha, 2016). Companies have realized that businesses will only grow when the society is prosperous, and people have the money to spend on the goods and services produced by the business organizations. Sustainable development is important for both organization and society. Companies take resources from the society in the raw material and other resources. Therefore, companies should give back to the society as well.

The Government of India obliged companies with a certain turnover and profitability to spend two percent of their profit. According to the Companies Act 2013, organizations with net worth of INR 500 or more or a turnover of INR 100 or more or net profit of INR 5 or more during any financial transaction must formulate a corporate social responsibility committee. CSR committee has to see whether Organization's CSR spending is in accordance with the law. This has revolutionized corporate spending in CSR activities. Companies mainly spend on education, employee training, health care and professional development in India. Education has been largely benefited by the organizations.

Nowadays, researchers investigate the influence of CSR activities on consumer buying behavior. This paper has taken ethical CSR, legal CSR and trust as independent variables and purchase intention as a dependent variable. Data analysis has outlined that

ethical CSR activities influence the consumer purchase intention because every consumer prefers to purchase the products from companies that disclose all the information to their customers. Consumers can purchase quality products at low prices. Trust also influences the consumer's purchase intention. The hypothesis has proven that trust has a direct and positive impact on the consumer's purchase intention. Trust means that consumers are more likely to purchase from companies that they think are good and have good record of good business. The study findings are in tandem with earlier studies (Kim, 2019; Servera-Francés & Piqueras-Tomás, 2019; Barcelos et al., 2015; Choi Beomjoon & La Suna, 2013) etc.

CSR has a direct and positive impact on the consumer's purchase intentions (Mulaessa & Wang, 2017; Lee & Lee, 2015; Y. Xu et al., 2014; Bae & Kim, 2013). CSR activities create a positive image in the minds of consumers and consumer feel that the company is taking good care of its stakeholders. Companies need to formulate appropriate business strategies to cater to the needs of society and business. Companies investing in CSR can build a strong business and brand image that will facilitate in distinguishing themselves.

This study has some limitations. It has considered only three independent variables. Future studies can include other variables and examine their impact on consumers' purchase intentions. Future research can also explore the impact of CSR on the marketing and business activities, apart from purchase intention. The study was undertaken with a sample of 210. Future research can be undertaken with a larger cross-sectional sample.

CONCLUSION

The study was undertaken to find the relationship of certain CSR variables with purchase intentions. Ethical CSR activities and trust are found to have a direct and positive impact on the consumer purchase intentions. The results of the study are of interest to both companies and consumers, since both of them show considerable interest in corporate social responsibility practices. CSR practices will help companies to gain competitive advantages and easily distinguish themselves from competitors. CSR practices are expected to have a direct and positive impact on both employee productivity and consumer purchase intentions. CSR practices require organizations to operate in a socially conscious manner, giving due importance to human rights, environmental concern and social concern. This study was a moderate attempt to clarify the relationship between CSR variables and purchase intentions. It is hoped that this study will motivate other researchers to use the results of the present work.

AUTHOR CONTRIBUTIONS

Conceptualization: Imran Ali, Mohammad Naushad.
 Data curation: Imran Ali.
 Formal analysis: Imran Ali.
 Investigation: Mohammad Naushad.
 Methodology: Mohammad Naushad
 Project administration: Sulphey M. M.
 Resources: Mohammad Naushad.
 Software: Sulphey M. M.
 Supervision: Sulphey M. M.
 Validation: Mohammad Naushad.
 Visualization: Mohammad Naushad.
 Writing – original draft: Imran Ali.
 Writing – review & editing: Mohammad Naushad, Sulphey M. M.

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APPENDIX A

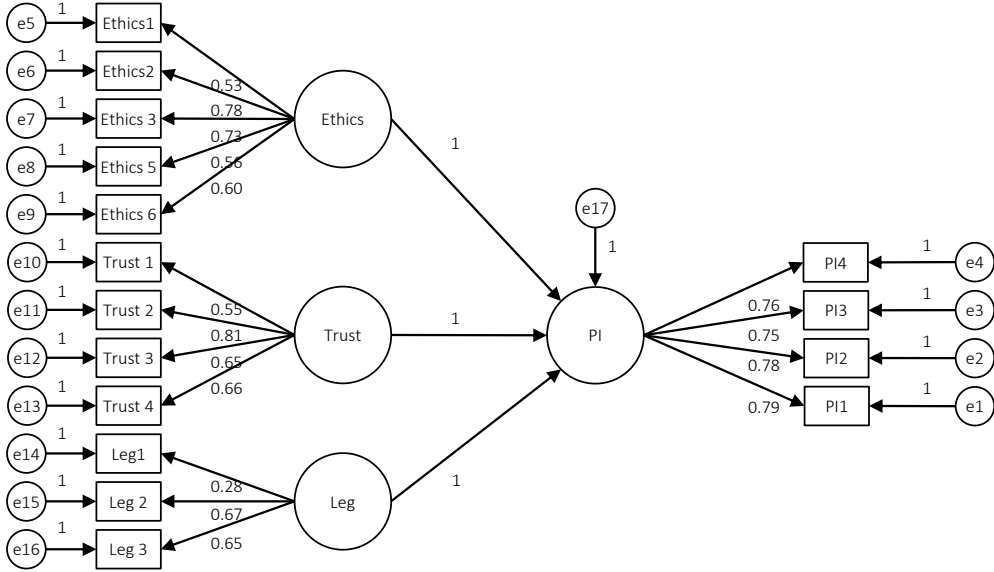


Figure A1. SEM output

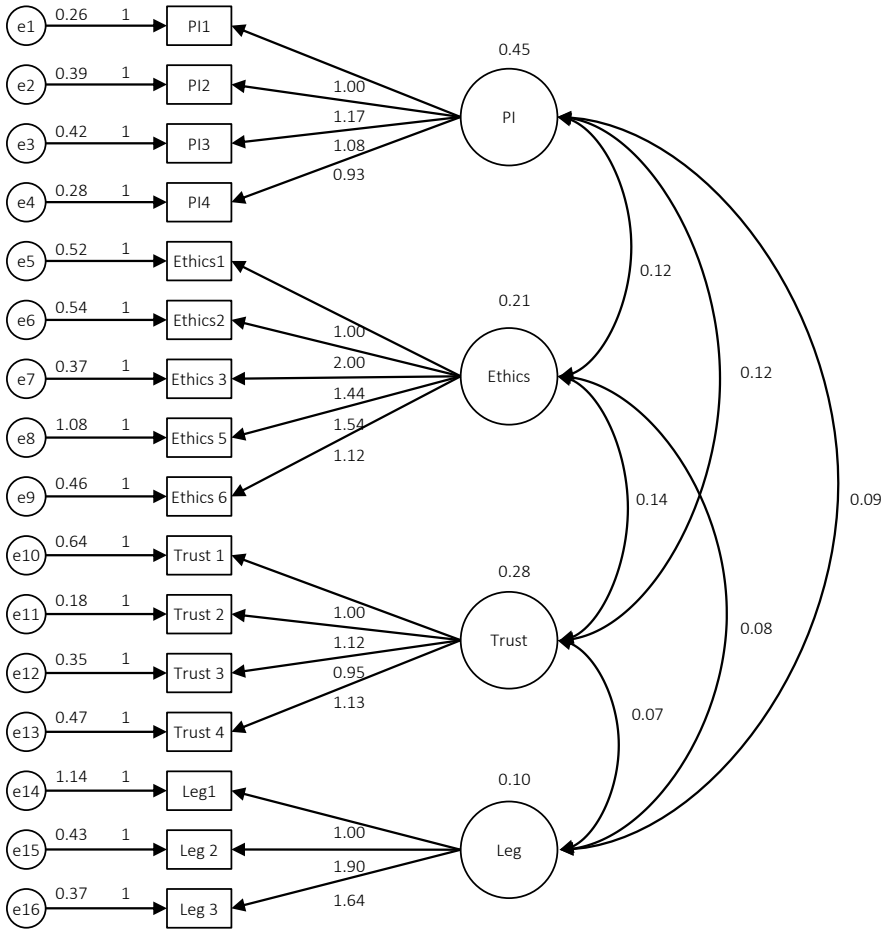


Figure A2. CFA output