

## **Analyzing the trust of the masses in online mediums in China: A case study of Generation X and Millennials**

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**Abstract:** In the modern era of digitalization, the utilization of online platforms has rapidly increased among individuals from different generations in China and other countries around the globe. The utilization of online media varies among different generations. For instance, millennials are likelier to operate online platforms easily as compared to Generation X because they have grown up with social media and possess essential technical skills to operate such platforms. However, the excess of anything also comes with an expense. Similarly, the increased utilization of online platforms has also increased the prevalence of fake news and scams on social media, impacting the trust of the users. This study has also focused on determining the online presence and trust of the masses in China within the context of Generation X and millennials. For this quantitative study, the data was collected from 260 participants (including Generation X and millennials) via an online survey. After the collection of required data, it has been analyzed by using the SPSS technique; the results obtained from this study showed that online social presence has a significant impact on generalized trust. Similarly, both platform familiarity and negative experience also have significant mediating roles in the association between online social presence and generalized trust. This study has also been effective in providing different practical and theoretical implications concerning the online social presence of Generation X and millennials.  
**Keywords:** generation X; millennials; generalized trust; online social presence; negative experience; platform familiarity

### **1. INTRODUCTION**

The success of retail shops in the twenty-first century depends more and more on their online presence and the development of enticing and appealing ways to market and display their products to Internet consumers. These individuals spend a lot of time on social media interacting with other

users, following current events, expressing their thoughts on various subjects, and reposting other people's posts (Dabija et al., 2018; Young, 2015). Millennials or Generation Y frequently rely on online reviews and posts, and share them based on their appeal without ensuring the information beforehand, in contrast, to mature members of Generation X who prioritize products and services of the highest caliber and invest time comparing and gathering information before purchasing because of their life experience and family responsibilities (B. Valentine & L. Powers, 2013; Haydam et al., 2017; Şchiopu et al., 2016). Due to their exposure to mobile devices, modern communication technology, and social media throughout their adult years, the Gen X group is typically regarded as being more responsible in their use of social media communication. On the other hand, because modern communication technology is a vital aspect of their life and a key way for them to assess their surroundings and activities, millennials frequently exhibit default behavior when it comes to using social media (Dabija & Grant, 2016). Companies are finding it more and more vital to develop a social media communication plan as they get a deeper grasp of customer behavior and societal trends. Order to encourage the development of strong online communities, this entails developing pages on multiple platforms including Facebook, LinkedIn, and Twitter as well as hosting blogs and forums. These groups encourage the sharing of concepts and knowledge, which can lead to the creation of new and improved products (Bolton et al., 2013; Wagner et al., 2018). Due to the rapid growth of digital marketing, it is clear that our current world is a digital one. Social media and the internet have permeated every aspect of our everyday life. The emergence of a variety of social activities in the digital sphere over the past several years has given businesses fantastic chances to improve their competitive strategies by interacting with customers more intimately. In digital marketing, e-commerce has grown to be a popular and practical method for companies to sell goods and interact with customers online (Wen et al., 2001). A rising number of consumers are increasingly motivated to make purchases online due to the widespread usage of the internet and the quick expansion of e-commerce. In the digital age, online buying has become popular. In a recent study by The Wall Street Journal (Morris, 2013), it was found that more than 70% of the 3,000 participants favored Internet shopping over traditional brick-and-mortar retailers. Since 2006, online shopping has become increasingly popular in China, with a growth rate of 35.5 percent from 24.5 percent to sixty percent in 2015, which indicates that about 60% of internet users had done so.

Additionally, according to the annual sales statistics gathered, the Chinese Internet shopping market had a tremendous increase from 128.18 billion to 3,817.3 billion Yuan between 2008 and 2015 (Morris, 2013; Ou, 2016). According to studies (Gefen, 2002; Luhmann, 2000), consumers' willingness to participate in online commerce is not just based on their perception of risk. In Business to Consumer (B-to-C) internet commerce, customers' decision-making while making an online purchase is also thought to be significantly influenced by their faith in the seller. To reduce the ambiguity surrounding certain risk concerns that develop when people wish to make purchases online, trust acts as a solution. This is because items cannot be seen or handled in the virtual world of the internet. As a result, trust is a crucial coping mechanism for dealing with an uncertain future. Buyers who conduct business online frequently worry about the duties of sellers, making these transactions difficult for them. The key to success in e-business for sellers is to offer a safe and reliable environment for online transactions since trust plays a big part in online purchases (Gefen, 2002; Luhmann, 2000). Despite all the advantages provided by the online collection platform, customers are still reluctant to utilize it and take part in e-waste recycling (Ramzan et al., 2021). China has emerged as a significant force in the world of technology in recent years, with a significant online following that includes people of all ages. Understanding Chinese society's internet presence and level of trust has therefore become more crucial. Generation X and Millennials, two age groups that have grown up with technology and are frequent users of social media sites, are the subject of this study. The study aims to investigate the association between online social presence and generalized trust, as well as the potential mediating effects of lack of platform familiarity and negative experiences. We can better understand how online behavior creates trust in Chinese society and how this may affect social interactions and general well-being by examining these elements.

## 2. LITERATURE REVIEW

### 2.1 Conceptual Framework

According to “Social Cognitive Theory” (SCT), different experiences, environmental factors, and other people’s actions largely impact the behavior of an individual (Liu et al., 2019). Similarly, in the present world of digitalization, different environmental and social factors impact the online behavior of individuals. SCT has also highlighted the fact that

people learn via different imitations, reinforcement, and observation. Therefore, other people's behavior might trigger the promotion of the online social presence of different individuals. Moreover, the online presence of people might also be influenced by their past experiences (Lu et al., 2016). In this regard, the trust of the users is considered to be an effective component, as it helps in enhancing the self-efficacy of the internet users, encouraging them to ensure their online social presence. For instance, a study by Lin and Chang (2018), has also highlighted that the trust of an employee in oneself will interact with the trust of an individual in the system to determine job behaviors. However, in the present study, the past experiences and actions of others might impact the online social presence of the individuals, influencing their generalized trust (Attar et al., 2023). Moreover, the self-concept of an individual can be obtained from a perceived membership within the context of an associated social group as stated by the "Social Identity Theory" (Shareef et al., 2020). Therefore, on social media platforms, people might find different social communities and groups which improve their self-identity, enhancing their trust level in the context of social media. However, past studies have shown that fake news on social media and negative experiences have influenced the trust of internet users, impacting their online social presence, in this regard, platform familiarity might be an effective factor to enhance the trust of the users (Pan et al., 2017). However, the trust level concerning social media platforms varies from person to person, based on their experiences, thus, this study focuses on online presence and trust within the context of Generation X and millennials in China.

## 2.2 Impact of Online Social Presence on Generalized Trust

At present, the internet has become one of the necessities of life, encouraging many people to join social media platforms to connect with other people worldwide, and promoting a globalized approach (Liu et al., 2019). Even though the utilization of online social platforms such as Facebook and Twitter have played an important role in promoting generalized trust among the public as they can generate different conversations, there are still many drawbacks of excessive use of online platforms such as cyber bullying and others. Past studies (Warner-Söderholm et al., 2018) have highlighted the role of online social presence in promoting generalized trust as the concept that a normal individual is worthy of cooperation, leading to helpful behavior. Moreover, the online social presence of an individual also promotes network diversity and civic engagement (Yahia et al., 2018).

However, the concept of generalized trust fluctuates in real-time experiences. Past studies (Bradshaw & Howard, 2018) have also presented the negative influence of online social presence on trust in a generalized form, stating that online information can be manipulated, impacting the overall integrity of the provided information. Additionally, the promotion of fake news on social media platforms has also impacted the generalized trust among the people (Flintham et al., 2018). Even though online social presence has some negative influence on generalized trust; still one cannot ignore its significant impact in promoting public discussions and associations which are essential for promoting generalized trust (Luo et al., 2022). However, in the past literature, not much focus has been given to the association between online presence and trust within the context of Generation X and millennials, creating a void in the associated literature, thus, the present study has been effective in filling this gap. Therefore, based on above discussion, the following is drawn for present research:

H1: Online social presence has a significant impact on generalized trust.

### 2.3 Mediation of Lack of Platform Familiarity

The persistently increasing industry of e-commerce has developed a competitive environment, encouraging different e-commerce companies to take important measures to attract more customers. In this regard, the platform familiarity of customers plays an important role in attracting a new audience as it helps in building trust between the customers and the companies (Pennycook & Rand, 2019). Similarly, in the context of social media platforms, users are more comfortable joining platforms that they are familiar with instead of those which whom they are doubtful. Past studies (Chen et al., 2022) have also advocated the significant role of platform familiarity in enhancing the trust level of internet users within the context of social media platforms. In contrast, other studies (Buchanan, 2020) have shown that there is no association between platform familiarity and the trust of the people. Even though the role of platform familiarity has largely been criticized over the years in the context of online social presence; still its significance cannot be denied in developing an important relationship of trust and comfort between an e-commerce platform and its customers. This study has also focused on determining the role of platform familiarity in association with online social presence and generalized trust, thus, based on such arguments, the following hypothesis is devised for this research:

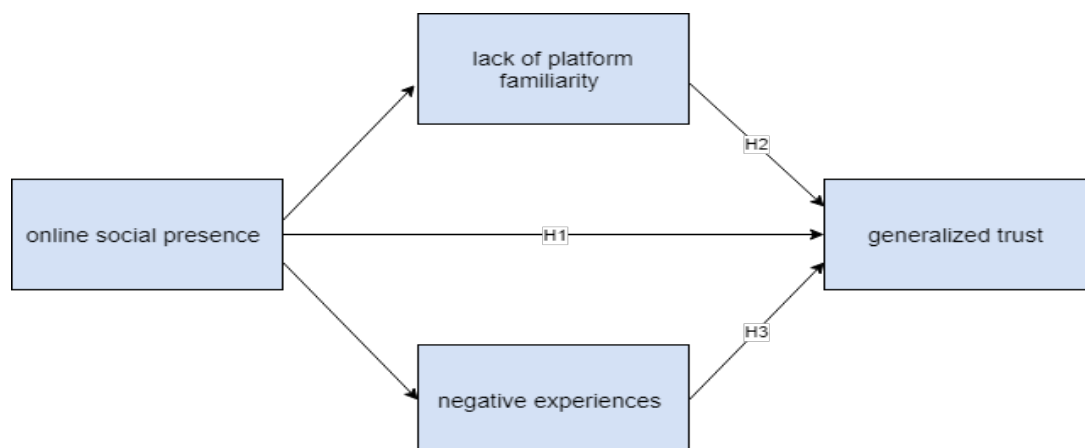
H2: Lack of platform familiarity mediates the association between online social presence and generalized trust.

## 2.4 Mediation of Negative Experiences

As stated by the SCT, the experiences of an individual largely impact his or her behaviors. Similarly, in the context of the online social presence of an individual, the past experiences and the actions of others, largely influence the behavior of an individual. Past studies (Yahia et al., 2018) have stated that internet users with negative or bad past experiences are less likely to promote their online social presence as they do not trust the system anymore and try to stay out of trouble. Another study by Easton et al. (2018), has shown that a higher level of trust also influences the overall behavior of the customers, building a strong reputation for the associated organization. Therefore, different online platforms are needed to take important measures to deduce the negative experiences of the users, resulting in the attainment of a higher level of trust, leading to effective outcomes.

Past studies (Clayton et al., 2020) have shown that internet users mostly rely on online search engines to collect required information, therefore, negative comments regarding a certain online platform might impact the perceptions of the users, negatively impacting the image of an associated online platform. Therefore, one cannot ignore the negative experiences of other people concerning a relative online platform as it is considered the source of information. In this regard, different online social communities also play an important role in highlighting the negative experiences of others, to enhance social identity (D'Arienzo et al., 2019). However, still, a lot of work is needed to be done in determining the role of negative experiences in the association between online social presence and generalized trust. Thus, based on this discussion, the following hypothesis has been developed for current research:

H3: Negative experiences mediate the relationship between online social presence and generalized trust.



**Figure 1:** Conceptual framework

### 3. METHODS

The study is quantitative, the following section details the adopted research philosophy, research approach, research strategy, time horizon, target population, measures, and method for data analysis of the study.

#### 3.1 Research Philosophy

Research philosophy is determined as a belief that regards the phenomenon of selecting, evaluating, and analyzing the data. The research philosophy adopted in the present study is "positivist research philosophy". According to Tamminen and Poucher (2020), this research philosophy states that reality is objective in nature and it is free from an individual's subjective perceptions, beliefs and ideas. Several past researchers and scholars suggested using a positivist research philosophy in a quantitative study. This philosophy is widely used in quantitative techniques such as official statistics, surveys, structured questionnaires etc. (Bleiker et al., 2019; Mohajan, 2020). In the view of Majeed (2019), positivists observe shaping the reality of individuals on the basis of facts.

#### 3.2 Research Approach

There are two major types of research approach widely used in social sciences which includes "the deductive research approach and the inductive research approach". In the present study, the researcher has applied a deductive research approach, also known as "deductive reasoning". This research approach is adopted because it corresponds with the study's objectives and aims. According to Patel and Patel (2019), a deductive research approach allows the researcher to process ideas and information from general to particular circumstances; thus, it is a logical phenomenon.

#### 3.3 Research Strategy

Research strategy provides complete detail of all the processes and procedures being done in the research (Clark et al., 2021). There are several types of research strategies, including experiments, grounded theory, ethnographic studies, case studies, services, interviews, focus groups and observations, among many others.

The research strategy is an overall internal inclusive mechanism the researcher utilizes to investigate. Research strategy provides essential details regarding essential parameters in order to develop a research plan

and then evaluate them (de Oliveira et al., 2019). Since the present study is quantitative in nature, therefore in order to collect quantitative data, the researcher has adopted a research survey strategy.

### 3.4 Time Horizon

There are two types of time horizons of the study, including “cross-sectional study and longitudinal study”. According to Kesmodel (2018), a cross sectional study is one in which the researcher has to conduct a complete investigation into a single or specific time frame. While on the other hand, a longitudinal study is one in which the researcher collects the research data at different points in time (Asenahabi, 2019). Since the present study has a limited time, therefore this study is cross-sectional in nature.

### 3.5 Target Population

According to Stratton (2021), target population are the individuals or groups to whom researchers seek to collect data for the study. In the present research, the target population is individuals from Generation X, having an age group from 43 years old to 58 years old and millennials having an age group of 27 years old to 42 years old.

### 3.6 Measures

In the current study, there are four observed variables, including online social presence, lack of platform familiarity, generalized trust and negative experience. To measure these variables, the researcher has adopted scales for past researchers.

The following table details the adapted and modified measurement scale for each variable.

Variable name	No. of items	Adapted from
Online Social presence	3	(Bouchillon, 2022)
Lack of platform familiarity	3	(Hajli et al., 2017)
Generalized trust	3	(Bouchillon, 2022)
Negative experience	4	(Krishen et al., 2016)

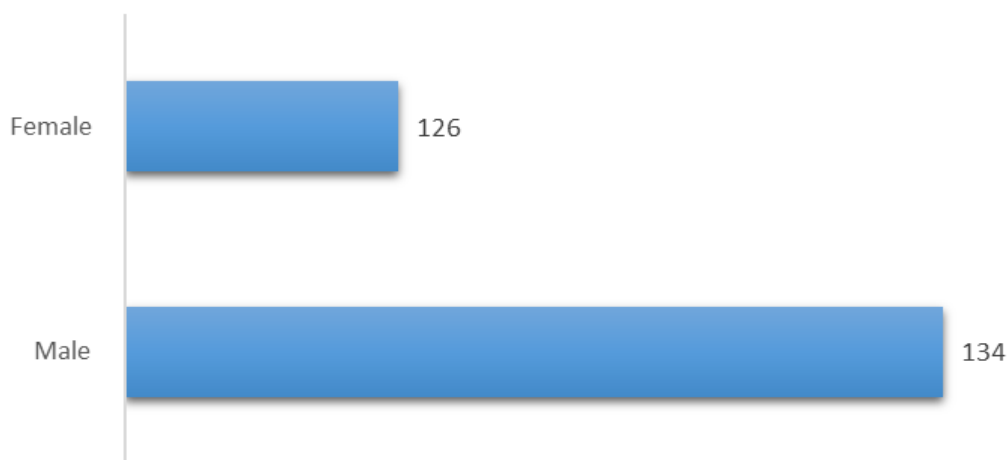
### 3.7 Data Analysis

For the analysis of the data, AMOS was used. The data was tested by running on it several tests, including reliability validity, to check the authenticity of the data. For checking the model fit and testing the hypothesis, structural equation modelling was conducted.

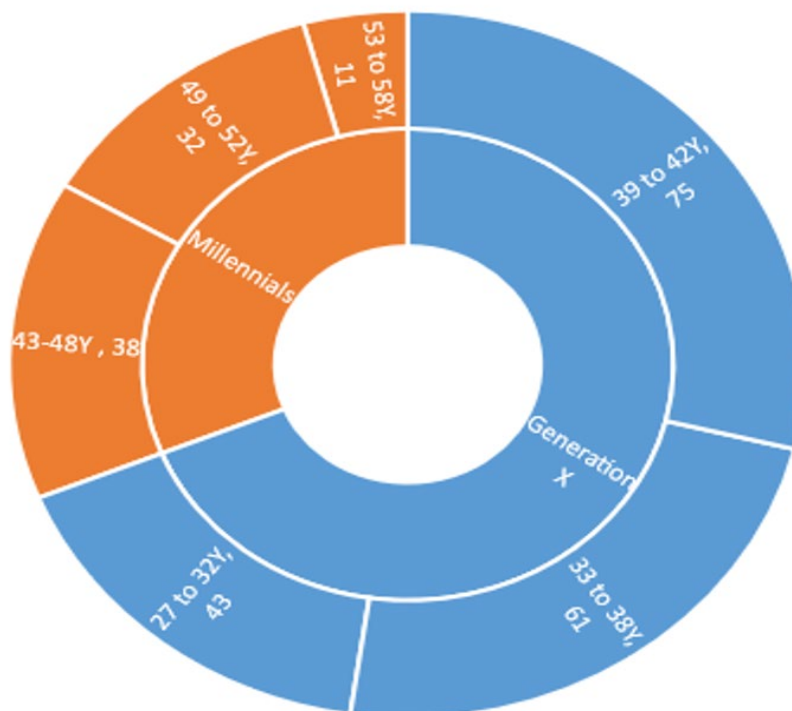


#### 4. Results

A total of 260 respondents were included in this study. 134 out of 260 respondents were male which makes up 51.5% of the sample. The rest 126, which is 48.5% of the sample, were females. This shows that the disparity between men and women in this study was low, which reduces the gender bias in the results. Figure 2 shows these statistics. As for the age of the respondents, as seen in Figure 3, approximately 70% of the respondents were millennials i.e., they were aged between 27-42, whereas the rest 30% were Generation X, i.e., aged between 43 and 58.



**Figure 2:** Gender Profile



**Figure 3:** Age Group Profile

Table 1: Descriptive Statistics

	N	Minimum	Maximum	Mean	Std. Deviation	Skewness	Kurtosis
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic
OS	260	1.00	5.00	3.6410	1.03613	-.811	.151
P							
PF	260	1.00	5.00	3.6423	1.09904	-.870	.151
NE	260	1.75	5.00	3.3538	.58147	-.332	.151
G							
GT	260	1.00	5.00	3.3256	1.14685	-.288	.151
R							

Table 1 shows the summary of the data in the form of descriptive statistics. The results show that the minimum and maximum lie between 1 and 5, indicating the use of a 5-type Likert scale. The mean statistics range between 3.3 to 3.7. The skewness values are within the range of -1+1 and Kurtosis values lie between +3 and -3, which shows that the data is normal (Jammalamadaka et al., 2021).

Table 2: KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.906
Bartlett's Test of Sphericity	Approx. Chi-Square	1951.872
	df	78
	Sig.	.000

Table 2 represents the result for preconditions for factor analysis; KMO and Bartlett's Sphericity. The value of KMO should lie between 0.6 and 1 (Shrestha, 2021). The closer the statistics are to 1, the more adequate is the sample. The results show that the sample is 90.6% adequate. Moreover, Bartlett's sphericity test is also significant (Iskamto et al., 2020).

Since the results of both these tests are significant, the preconditions of factor analysis are fulfilled (Shrestha, 2021; Sürücü et al., 2022). Therefore, table 3 shows the factor analysis using the rotated component matrix. The factor loadings are all above 0.7 and the constructs of each variable are loaded on a different component, showing that there are no outliers and no issue of cross-loading (Iskamto et al., 2020; Shrestha, 2021).

Table 3: Rotated Component Matrix

	Component			
	1	2	3	4
OSP1		.812		
OSP2		.821		
OSP3		.817		
PF1				.746
PF2				.820
PF3				.785
NE1			.761	
NE2			.848	
NE3			.783	
NE4			.520	
GT1	.745			
GT2	.799			
GT3	.797			

The construct validity is measured using two validity tests; convergent (CV) and discriminant validity (DV), the results of which are shown in Table 4 below. CV is measured using the values of 2 statistics, composite reliability (CR) and average variance extracted (AVE). The threshold of CR is 0.7 and of AVE is 0.5, and as seen in the table below, the data has internal consistency and CV as both the values of CR and AVE are according to defined thresholds. However, the value of one variable, NEGE for CR is slightly lower than the threshold. As for DV, the presence is determined based on MSV and the correlation diagonal. The MSV values need to be lower than AVE, which is fulfilled. Moreover, the diagonal must have the highest correlation i.e., the self-correlation should be higher than the correlation with other variables, which is also true according to the current results. Therefore, overall, both discriminant and convergent validity is present.

Table 4: Construct Validity

	CR	AVE	MS V	MaxR(H )	GERT	ONSP	NEGE	PLF M
GERT	0.834	0.627	0.518	0.835	0.792			
ONSP	0.901	0.754	0.512	0.917	0.642** *	0.868		
NEG E	0.455	0.503	0.350	0.815	- 0.583** *	- 0.592** *	0.709	
PLFM	0.877	0.705	0.518	0.882	0.720** *	0.715** *	- 0.582** *	0.840

Table 5: Model Fitness

Tests	Statistics
CMIN/df	1.479
GFI	.952
IFI	.985
CFI	.985
RMSEA	0.043

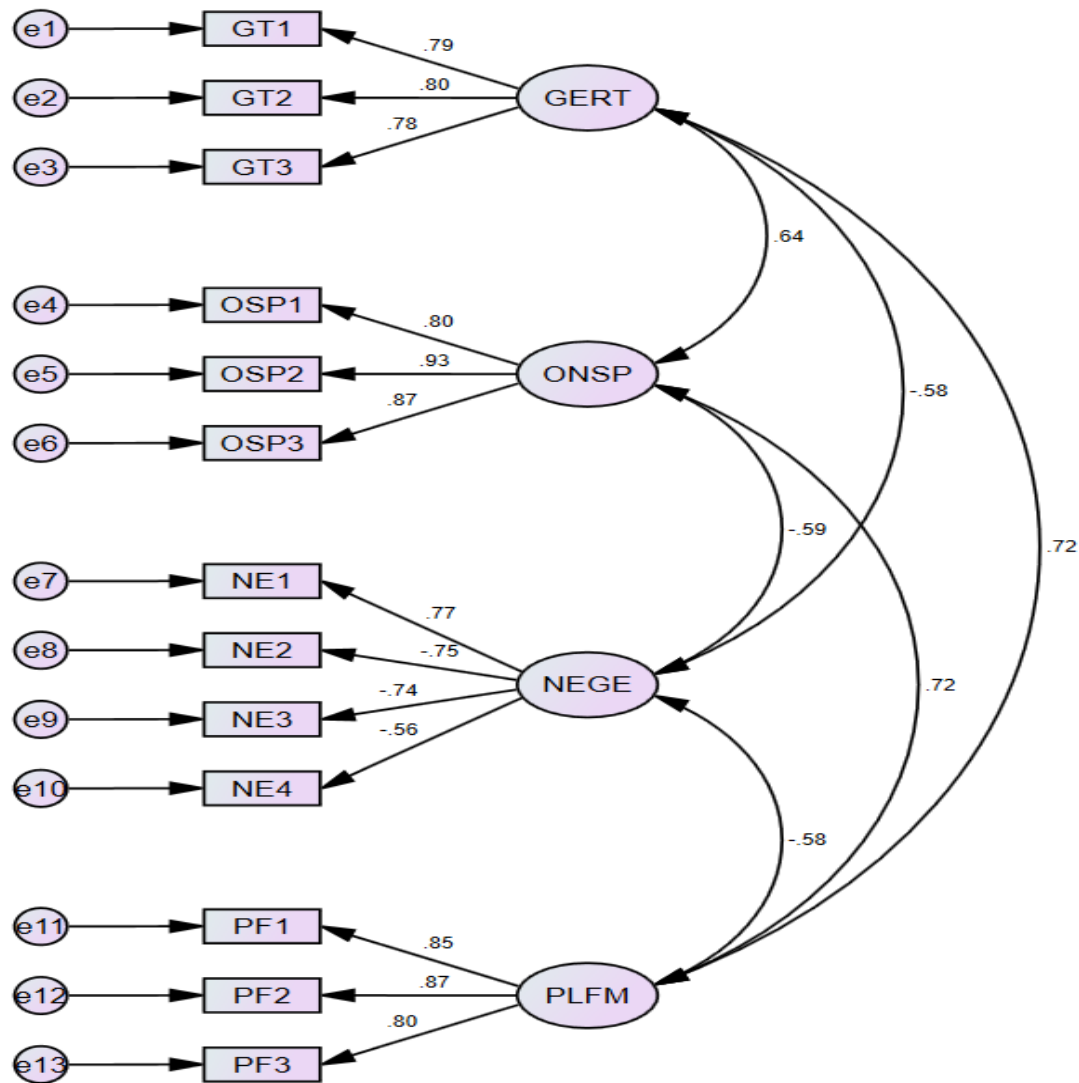


Figure 4: CFA

Confirmatory factor analysis allows testing the fitness of the model using various indicators, the results of which are shown in Table 5. The threshold for CMIN/DF is that the value should be less or equal to 3, for GFI is equal to or larger than 0.8, for CFI and IFI it is equal to or above 0.9, and for RMSEA it is less or equal to 0.08. The results in Table 5 show that all these thresholds were fulfilled, indicating the fitness of the model, which is further illustrated in Figure 4.

Table 6: Direct Paths

	Parameter		Estimate	Lower	Upper	P
NEG	<---	OSP	.379	.296	.485	.006
PF	<---	OSP	.647	.572	.740	.005
GTR	<---	OSP	.215	.107	.332	.012
GTR	<---	NEG	.202	.103	.273	.019
GTR	<---	PF	.408	.267	.550	.006

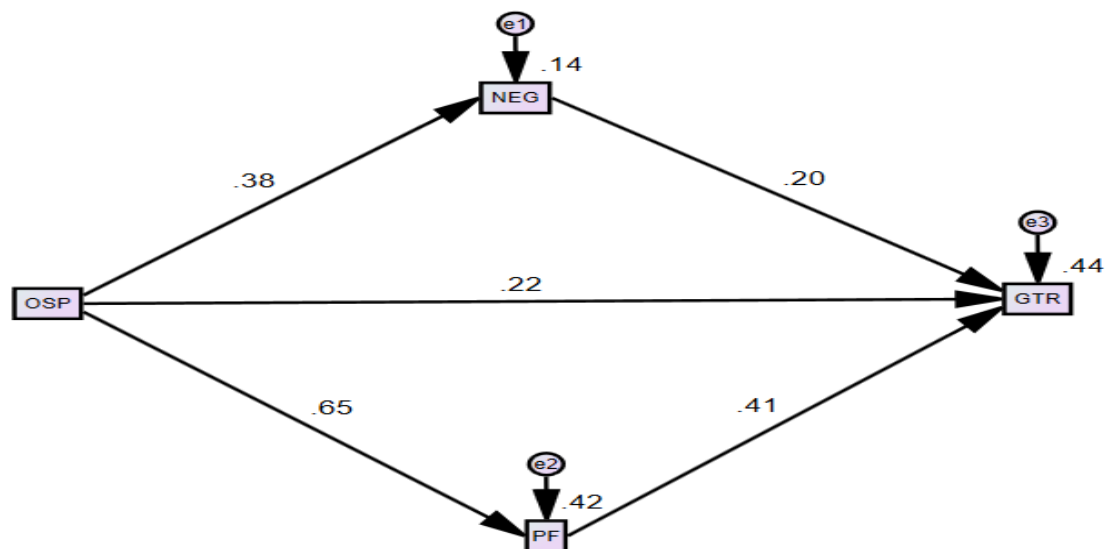


Figure 5: SEM

Table 6 shows the results for direct relations. The impact of Online Social presence on generalized trust is significant with an effect size of 0.215. This shows that if there is a unitary increase in online social presence, it can lead to increasing the generalized trust by 21.5%. Table 7 shows the results for meditation relationships. Both the mediation hypotheses have also been accepted. The results show that if there is a unitary increase in negative experiences it can lead to increasing the impact of online social presence on generalized trust by 8.4%. Similarly, a unitary increase in platform similarity increases the impact of online social presence on generalized trust by 28.8%.

Table 7: Indirect Paths

Indirect Path	Standardized Estimate	Lower	Upper	P-Value
OSP --> NEG --> GTR	0.077***	0.041	0.133	0.001
OSP --> PF --> GTR	0.264***	0.202	0.389	0.001

## 5. DISCUSSION AND CONCLUSION

The present study has been conducted to analyze the differences in

online social presence and trust in the masses in China. For this purpose, a comparative analysis of the generalized trust of boomers and millennials has been conducted. For the accomplishment of research objectives, the literature was reviewed, and three hypotheses were formulated. Results indicated that OSP significantly impacts GTR. According to Bouchillon (2014), due to the increased level of ethnic and social diversity among people, generalized trust has declined globally. Civic engagements and local interactions have declined prominently in the past years. People these days spend more time online than interacting with others. With the increased technological advancements and the extent of interaction among people, the online medium has become an effective tool of communication. This positively impacts generalized trust among people when they interact with each other often online. The interactions among people are perceived to be more successful when social presence exists in media-based surroundings. Many researchers have indicated that sociability through Facebook is a potential source of generalized trust (Lin et al., 2021). By enabling users to socialize in different ways that feel adequate to live, presence must enable the feelings of trust to radiate. People who do not share and pour their hearts out in front of others are more likely to feel lonely. These introverts easily interact with others online as the computer-based settings aid them in maintaining a sense of control over the interaction.

The second hypothesis states that lack of platform familiarity significantly mediates the relationship between online social presence and generalized trust. Results indicated that the hypothesis has been accepted. Lack of platform familiarity is a significant mediator because a person having no familiarity with social or online applications can impact the extent of his generalized trust. An individual having adequate information regarding a platform is more likely to utilize it positively. Such a person can interact with others with full confidence and can develop a generalized trust among other individuals. Contrary to that lack of familiarity can lead to many negative experiences as a person having no authentic information regarding the extent to which trust or dependency upon another person can be encouraged can lead to negative experiences (Van Zeeland et al., 2021; Yuniar & Fibrianto, 2019). Such introverts or ordinary people having a lack of platform familiarity are reluctant to interact with others therefore, their generalized trust is also affected. In this way, we can say that a lack of platform familiarity is a significant mediator for generalized trust and online social presence. The third hypothesis states that Negative experience also significantly impacts the relationship between online social presence and

generalized trust. A person having negative past experiences would always be reluctant to trust someone again while interacting through online mediums. This is due to the fact that negative experiences prevent a person to adopt a repetitive behavior again while experiencing a tragedy once (Akram & Kumar, 2017; Primack et al., 2019). Therefore, having an online social presence is not an indicator of gaining positive people in life no matter to what extent a person may exhibit his extrovert attributes. If he has exhibited some negative experiences through a similar or dissimilar platform, those negative experience can certainly affect their future behavior. In this way, such a person is unable to develop generalized trust. Negative experiences lead a person towards a declined generalized trust.

### 5.1 Conclusion

With the increased technological advancements, people in China are hugely reliant on interacting on social applications, and therefore their online social presence is potentially increased. The present study aimed at assessing the online social presence of the Chinese and its impact on generalized trust. The mediating role of negative experience and lack of platform familiarity has also been evaluated. For this purpose, a quantitative designed research method has been adopted to assess the cause-and-effect relationship among the variables. Data was collected from Chinese Generation X and Millennials through questionnaires. For this purpose, 300 questionnaires were disbursed out of which 260 were finalized after data cleaning and screening for data analysis. Data were analyzed through SPSS and AMOS. Results indicated a significant association between online social presence and generalized trust whereas negative experience and lack of platform familiarity were also indicated as significant mediators. To enhance the generalizability of the research, its implications are also explained.

### 5.2 Theoretical Implications

The present study holds significant theoretical implications as the study extends the theory of generalized trust among individuals. Literature regarding online social interactions is increasing prominently. So, the present study also adds valuable insights to the growing body of literature regarding the online social presence and its impact on generalized trust. Furthermore, the study is also beneficial as it provides benefits regarding understanding the importance of platform familiarity that is exerted on provoking the generalized through online interactions. The research has

incorporated testing of four important variables that together impact the generalized trust and are also a valuable addition.

### 5.3 Practical Implications

The practical insights of the study can also not be denied. The users of social media associated with Generation X and millennials users can get benefit from the study by knowing how digitalized or online social presence can impact the extent of their generalized trust in each other. Therefore, the study also extends the rational choices of Generation X and Millennials regarding interacting with others and the limited extent to which they must develop trust to avoid negative experiences in the future. Digital literacy is also important to observe as the study highlights that if there is a lack of platform familiarity, the OSP can impact GTR effectively indicating it as a significant mediator.

### 5.4 Limitations And Future Research Indications

There are certain limitations to the research. Firstly, the sample size was small due to time constraints. So future researchers can increase the sample size to draw valuable results. The methodological choices can be altered, and future researchers can conduct a “qualitative research study” to draw valuable insights by having face-to-face discussions with the target audience. The current study has targeted China to investigate the relationship among variables so the study’s context can also be altered by future researchers.

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## References

- Akram, W., & Kumar, R. (2017). A study on positive and negative effects of social media on society. *International Journal of Computer Sciences and Engineering*, 5(10), 351-354.
- Asenahabi, B. M. (2019). Basics of research design: A guide to selecting appropriate research design. *International Journal of Contemporary Applied Researches*, 6(5), 76-89.
- Attar, R. W., Amidi, A., & Hajli, N. (2023). The role of social presence and trust on customer loyalty. *British Food Journal*, 125(1), 96-111.
- B. Valentine, D., & L. Powers, T. (2013). Generation Y values and lifestyle segments. *Journal of consumer marketing*, 30(7), 597-606.
- Bleiker, J., Morgan-Trimmer, S., Knapp, K., & Hopkins, S. (2019). Navigating the maze: Qualitative research methodologies and their philosophical foundations. *Radiography*, 25, S4-S8.
- Bolton, R. N., Parasuraman, A., Hoefnagels, A., Migchels, N., Kabadayi, S., Gruber, T., Loureiro, Y. K., & Solnet, D. (2013). Understanding Generation Y and their use of social media: a review and research agenda. *Journal of service management*, 24(3), 245-267.
- Bouchillon, B. C. (2014). Social ties and generalized trust, online and in person: Contact or conflict—The mediating role of bonding social capital in America. *Social Science Computer Review*, 32(4), 506-523.
- Bouchillon, B. C. (2022). Social networking for social capital: The declining value of presence for trusting with age. *Behaviour & Information Technology*, 41(7), 1425-1438.
- Bradshaw, S., & Howard, P. N. (2018). Challenging truth and trust: A global inventory of organized social media manipulation. *The computational propaganda project*, 1, 1-26.
- Buchanan, T. (2020). Why do people spread false information online? The effects of message and viewer characteristics on self-reported likelihood of sharing social media disinformation. *Plos one*, 15(10), e0239666.
- Chen, Y., Chen, C., & Li, S. (2022). Determining factors of participants' attitudes toward the ethics of social media data research. *Online Information Review*, 46(1), 164-181.
- Clark, T., Foster, L., Bryman, A., & Sloan, L. (2021). *Bryman's social research methods*. Oxford University Press.
- Clayton, K., Blair, S., Busam, J. A., Forstner, S., Glance, J., Green, G., Kawata, A., Kovvuri, A., Martin, J., & Morgan, E. (2020). Real solutions for fake news? Measuring the effectiveness of general warnings and fact-check tags in reducing belief in false stories on social media. *Political behavior*, 42, 1073-1095.
- D'Arienzo, M. C., Boursier, V., & Griffiths, M. D. (2019). Addiction to social media and attachment styles: A systematic literature review. *International Journal of Mental Health and Addiction*, 17, 1094-1118.
- Dabija, D.-C., & Grant, D. B. (2016). Investigating shopping experience and fulfilment in omnichannel retailing: A proposed comparative study in Romania and UK of generation Y consumers. Proceedings of the 21st Annual Logistics Research Network (LRN) Conference, University of Hull, September, e-proceedings,

- Dabija, D.-C., Postelnicu, C., & Dinu, V. (2018). Cross-generational investigation of ethics and sustainability. Insights from Romanian retailing. *Current Issues in Corporate Social Responsibility: An International Consideration*, 141-163.
- de Oliveira, O. J., da Silva, F. F., Juliani, F., Barbosa, L. C. F. M., & Nunhes, T. V. (2019). Bibliometric method for mapping the state-of-the-art and identifying research gaps and trends in literature: An essential instrument to support the development of scientific projects. In *Scientometrics recent advances*. IntechOpen.
- Easton, S., Morton, K., Tappy, Z., Francis, D., & Dennison, L. (2018). Young people's experiences of viewing the fitspiration social media trend: Qualitative study. *Journal of medical Internet research*, 20(6), e219.
- Flintham, M., Karner, C., Bachour, K., Creswick, H., Gupta, N., & Moran, S. (2018). Falling for fake news: investigating the consumption of news via social media. Proceedings of the 2018 CHI conference on human factors in computing systems,
- Gefen, D. (2002). Reflections on the dimensions of trust and trustworthiness among online consumers. *ACM SIGMIS Database: the DATABASE for Advances in Information Systems*, 33(3), 38-53.
- Hajli, N., Sims, J., Zadeh, A. H., & Richard, M.-O. (2017). A social commerce investigation of the role of trust in a social networking site on purchase intentions. *Journal of Business Research*, 71, 133-141.
- Haydam, N., Purcarea, T., Edu, T., & Negricea, I. C. (2017). Explaining satisfaction at a foreign tourism destination—an intra-generational approach evidence within generation y from South Africa and Romania.
- Iskamto, D., Ghazali, P. L., Aftanorhan, A., & Bon, A. T. (2020). Exploratory Factor Analysis (EFA) To Measure Entrepreneur Satisfaction. The International Conference on Industrial Engineering and Operations Management. Detroit, MI, USA,
- Jammalamadaka, S. R., Taufer, E., & Terdik, G. H. (2021). On multivariate skewness and kurtosis. *Sankhya A*, 83, 607-644.
- Kesmodel, U. S. (2018). Cross-sectional studies—what are they good for? *Acta obstetricia et gynecologica Scandinavica*, 97(4), 388-393.
- Krishen, A. S., Berezan, O., Agarwal, S., & Kachroo, P. (2016). The generation of virtual needs: Recipes for satisfaction in social media networking. *Journal of Business Research*, 69(11), 5248-5254.
- Lin, C. Y., Namdar, P., Griffiths, M. D., & Pakpour, A. H. (2021). Mediated roles of generalized trust and perceived social support in the effects of problematic social media use on mental health: A cross-sectional study. *Health Expectations*, 24(1), 165-173.
- Lin, H.-C., & Chang, C.-M. (2018). What motivates health information exchange in social media? The roles of the social cognitive theory and perceived interactivity. *Information & Management*, 55(6), 771-780.
- Liu, C., Bao, Z., & Zheng, C. (2019). Exploring consumers' purchase intention in social commerce: An empirical study based on trust, argument quality, and social presence. *Asia Pacific Journal of Marketing and Logistics*.

- Lu, B., Fan, W., & Zhou, M. (2016). Social presence, trust, and social commerce purchase intention: An empirical research. *Computers in Human Behavior*, 56, 225-237.
- Luhmann, N. (2000). Familiarity, confidence, trust: Problems and alternatives. *Trust: Making and breaking cooperative relations*, 6(1), 94-107.
- Luo, M., Hancock, J. T., & Markowitz, D. M. (2022). Credibility perceptions and detection accuracy of fake news headlines on social media: Effects of truth-bias and endorsement cues. *Communication Research*, 49(2), 171-195.
- Majeed, I. (2019). Understanding positivism in social research: A research paradigm of inductive logic of inquiry. *International Journal of Research in Social Sciences*, 9(11), 118-125.
- Mohajan, H. K. (2020). Quantitative research: A successful investigation in natural and social sciences. *Journal of Economic Development, Environment and People*, 9(4), 50-79.
- Morris, B. (2013). More consumers prefer online shopping. *Wall Street Journal* (June 3). Accessed June, 23, 2015.
- Ou, R. (2016). *Privacy perception of online shopping behavior between millennials and non-millennials in Chinese digital marketing* University of Twente].
- Pan, Z., Lu, Y., Wang, B., & Chau, P. Y. (2017). Who do you think you are? Common and differential effects of social self-identity on social media usage. *Journal of Management Information Systems*, 34(1), 71-101.
- Patel, M., & Patel, N. (2019). Exploring Research Methodology. *International Journal of Research and Review*, 6(3), 48-55.
- Pennycook, G., & Rand, D. G. (2019). Fighting misinformation on social media using crowdsourced judgments of news source quality. *Proceedings of the National Academy of Sciences*, 116(7), 2521-2526.
- Primack, B. A., Karim, S. A., Shensa, A., Bowman, N., Knight, J., & Sidani, J. E. (2019). Positive and negative experiences on social media and perceived social isolation. *American Journal of Health Promotion*, 33(6), 859-868.
- Ramzan, S., Liu, C., Xu, Y., Munir, H., & Gupta, B. (2021). The adoption of online e-waste collection platform to improve environmental sustainability: An empirical study of Chinese millennials. *Management of Environmental Quality: An International Journal*, 32(2), 193-209.
- Șchiopu, A. F., Pădurean, A. M., Țală, M. L., & Nica, A.-M. (2016). The influence of new technologies on tourism consumption behavior of the millennials. *Amfiteatru Economic Journal*, 18(Special Issue No. 10), 829-846.
- Shareef, M. A., Kapoor, K. K., Mukerji, B., Dwivedi, R., & Dwivedi, Y. K. (2020). Group behavior in social media: Antecedents of initial trust formation. *Computers in Human Behavior*, 105, 106225.
- Shrestha, N. (2021). Factor analysis as a tool for survey analysis. *American Journal of Applied Mathematics and Statistics*, 9(1), 4-11.
- Stratton, S. J. (2021). Population research: convenience sampling strategies. *Prehospital and disaster Medicine*, 36(4), 373-374.
- Sürücü, L., Yikilmaz, İ., & Maslakçı, A. (2022). *Exploratory Factor Analysis (EFA) in Quantitative Researches and Practical Considerations*.

- Tamminen, K. A., & Poucher, Z. A. (2020). Research philosophies. In *The Routledge international encyclopedia of sport and exercise psychology* (pp. 535-549). Routledge.
- Van Zeeland, I., Van den Broeck, W., Boonen, M., & Tintel, S. (2021). Effects of digital mediation and familiarity in online video interviews between peers. *Methodological Innovations*, 14(3), 20597991211060743.
- Wagner, U., Reisinger, H., & Akbari, K. (2018). *Fallstudien aus der österreichischen Marketingpraxis 8: Ein Arbeitsbuch zu den Grundzügen des Marketing*. facultas.
- Warner-Söderholm, G., Bertsch, A., Sawe, E., Lee, D., Wolfe, T., Meyer, J., Engel, J., & Fatilua, U. N. (2018). Who trusts social media? *Computers in Human Behavior*, 81, 303-315.
- Wen, H. J., Chen, H. G., & Hwang, H. G. (2001). E-commerce Web site design: strategies and models. *Information management & computer security*, 9(1), 5-12.
- Yahia, I. B., Al-Neama, N., & Kerbache, L. (2018). Investigating the drivers for social commerce in social media platforms: Importance of trust, social support and the platform perceived usage. *Journal of Retailing and Consumer Services*, 41, 11-19.
- Young, E. (2015). How millennials get news: Inside the habits of America's first digital generation. *NORC Centre for Public Affairs Research & American Press Institute: Chicago, IL, USA*.
- Yuniar, A. D., & Fibrianto, A. S. (2019). The affect of technical familiarity and consumer protection behavior in using e-commerce as platform online shopping. 2019 International Seminar on Application for Technology of Information and Communication (iSemantic),