

# Link between Financial Literacy and Financial Inclusion: A Case of Urban Areas of Karachi, Pakistan

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#### **Abstract**

The paper is aimed at examining the link between financial literacy and financial inclusion in the presence of social interaction. An established theoretical framework was used, and tested questionnaire was employed to test the hypotheses and data collection. Smart PLS was used as the data is primary in nature. The model is a considered to be a strong model as the effect size is 0.76. Results show that behaviour and knowledge contribute to have an impact on financial inclusion while skills and attitude do not significantly influence, which implies a significant positive influence of financial literacy on financial inclusion. Also, it was found that social interaction moderates the relationship between financial literacy and inclusion as hypothesized in the study. These results imply that in order to improve knowledge and understanding of financial ideas and practises, policy makers, financial institutions, and groups working on financial inclusion projects should concentrate on offering financial education and literacy programmes. Also, tailored interventions must be considered by the policymakers and organizations that combine financial literacy programs with opportunities for social interaction. These interventions could involve interactive workshops, communitybased financial education initiatives, and social platforms that facilitate knowledge sharing and peer support.

Keywords: Financial literacy, Financial Inclusion, Social Interaction, SDGs

JEL Classification: G2, O1



#### Introduction

The economic and social activities in the world are evolving and changing every day from an industrial era to the digital era and the world is in its third industrial revolution known as the "Digital Revolution" Clarke (2012). All economic sectors of countries are now adopting new ways of modern technologies which includes health care, industrial, agricultural or financial all of them are adopting technologies and making their life easier. The developing skills, knowledge, and proficiency were helping all the sectors in achieving financial inclusion (FI) by making digital financing as a primary goal (UNCDF, 2019). In the Sustainable Development Goals (SDGs) of 2030, financial inclusion (FI) was enabled and targeted as a development goal for an economy (UNCDF & SDGS, 2021). Financial inclusion (FI) is one of the most essential elements for reducing poverty and the development of economies (Demirgue-Kunt et al., 2018; Morgan & Long, 2020). According to UNCDF (2021), economic growth can be achieved through the support of financial inclusion. It can help in improving the allocation of capital, stabilizing national resources and financial structures through national savings, and can enhance the government's revenue (Chauvet & Jacolin, 2017). FI can be defined as an appropriate manner of accessing the best quality financial goods/ services by the citizens of the economy at suitable prices. It works as a basic tool in the life of the people; it can help individuals to plan their financial budget and to manage their finances. For making the individuals financially included, it is essential to make the person financially literate, which generates basic understandings of financing among individuals (Qazi, 2018).

Financial literacy (FIN) is the financial skills, knowledge, and abilities through which people can appropriately make decisions about investing and budgeting. This makes people more aware of the financial goods/services, risks, and returns. When people get financially literate, they can understand the financial terms more easily and can avail new opportunities. It supports individuals to manage their financial obligations and relationships with moneylenders (Kefela, 2011). FIN is the main key element in empowering and enhancing individuals' knowledge about financial goods and services which helps them in making financial decisions accurately.

According to the previous studies, low levels of financial literacy were found among poor people which severely affect financial inclusion worldwide (Bongomin, Munene, et al., 2017). Poor people have a lack of skills, knowledge, and awareness about the financial goods



and services due to which they suffer by taking wrong financial and investing decisions and that results in financial losses.

Previously studies were conducted in the rural areas of Uganda particularly among the poor households, whose earnings were below the minimum level and can hardly meet basic needs (Bongomin et al., 2016). These studies emphasize the connection of financial literacy and financial inclusion with the mediating effect of cognition, social capital, networks, etc. in the rural areas of Uganda. However, these studies ignore the moderating effect of social interaction. This study focuses to explore the impact of financial literacy (FIN) on financial inclusion (FI) with the moderating effect of social interaction, especially among the people of Karachi. Social interaction can be defined as exchanging of ideas, thoughts, and beliefs among two or more individuals. According to Balatti (2007), social interaction builds ties and increases levels of trust which can support and facilitate access to financial knowledge and skills among financially illiterate people. It acts as a channel among individuals through which people can exchange their knowledge, information, and ideas (Bongomin et al., 2020).

Financial inclusion and financial literacy are taken the attention by researchers but still there is a lack of knowledge and understanding among the individuals. According to Owori (2020), a prior research was conducted particularly in Uganda which is counted as a poor and low-income nation, about 41% of the population in Uganda were living in poverty (Mejia, 2020). According to Balatti (2007), a previous study shows that social capital mediates the relationship of financial inclusion and financial literacy positively.

According to Finclusion (2021), about 21% of the population in Pakistan are financially literate and financially included, 17% are literate with basics and 9% of people are illiterate. This shows that many people are still unaware of financial good/services and hence are excluded from the financial system of the country. This study is the first which is conducted in a well-developed city of Karachi in Pakistan among the individuals who earn a low level of income. This study is limited to the urban areas of Karachi because about 85% of the population in urban areas are illiterate (Finclusion, 2021).

The purpose of this study is to investigate the influence of financial literacy on financial inclusion among the urban areas of Karachi city, with the targeted population who belongs to the lower social/economic class of Karachi. According to Bongomin et al. (2016), the social lower class is the one whose status, education, and earnings are lower than others through which basic needs can be fulfilled. According to the Pakistan Bureau of Statistics (PBOS,



2020), about 25% to 30% of Karachi's population are living at low levels of income. They spend less on health and education and are employed as labours, factory workers, traders, plumbers, tailors, guards, etc. These are the individuals who live a rough and tough life and earn low levels of income from Rs.1,000 to Rs.50,000 monthly (Subohi, 2006).

#### Literature review

According to Porta et al. (1998), for increasing the use and access of financial inclusion many financial markets have been developed and liberalized globally. Due to the exclusive and sophisticated financial goods and services, these new players were not able to encourage the demand and use of financial inclusion to the level of satisfaction (Bongomin et al., 2018). The three proxies' i.e. quality, welfare, and usage play a significant role in financial inclusion. According to OECD (2002), welfare is considered as an assessment of an individual's satisfaction. For the financial welfare of the individual, consumption plays an important role as observed by Mallick and Zhang (2019); Masiyandima et al. (2017) when individuals get financially included the level of consumption increases because they try to satisfy needs and improves the quality of their livelihood but to be financially included it is important to be financial literate. According to Lochey (2020), the term of financial inclusion usage has risen the most in current years because many of the individuals in the economy were financially included and have access but they do not use financial products/services. Ramji (2009) stated that financial inclusion leads to usage and influences financial behaviour but due to lack of knowledge, the behaviour towards usage of financial services changes.

# **Hypothesis Development**

Financial Inclusion (FI) and Financial Literacy FIN)

The level of financial inclusion gets affected by financial literacy which acts as a factor of demand (Cole et al., 2011). For understanding the complex financial products and services, the population needs to be get financially literate and be aware of new opportunities especially among the poor people (Bank, 2012; Bongomin, Munene, et al., 2017). These poor people are the ones who live in a most vulnerable situations and suffer all the financial burdens (IBRD & DFID, 2009). These individuals have a low rate of financial inclusion due to financial illiteracy. Along with the development of financial institutions and the growing challenges, it becomes a problematic situation for the lower class to make financial decisions or choices. According to Lusardi and Mitchell (2011), for availing these opportunities and to



be financially included they are required to develop skills, knowledge, and expertise in the concerned area.

Skills, Knowledge, and financial inclusion

These financial skills and knowledge can support individuals in examining which financial goods/services are good to them, how can they avail, what was the procedure for it and what benefits they get, etc. Holzmann (2010) clarifies that practical training sessions for developing financial skills and knowledge can enhance the capability to design or plan their financial budget. It was observed by Cohen and Nelson (2011) that to be an informed financial decision-maker it is important to have basic financial skills which give a high sense of awareness on financial issues. Lack of awareness and understanding of financial products/services was caused by ignorance of poor people which leads to financial loss (Agarwal, 2007). It was argued by Cole et al. (2011) that if the poor were not aware of financial goods they should try to get knowledge of it, they should be financially literate (Bongomin, Ntayi, et al., 2017; Co-operation & Development, 2009) which makes them informed decisions and strategic financial choices. According to Kefela (2010), saving rates, credit value, and decision-making was supported by financial literacy which socially and economically empowered the reduction of poverty.

**H**<sub>1</sub>: Skills are positively related to financial inclusion.

**H2:** Knowledge is positively related to financial inclusion.

 $FIN = \propto + \beta_1 sk + \beta_2 know$ 

Attitude and financial inclusion

The main reason behind financially excluded people was the lack of awareness and the attitude of the people towards the financial goods/services (Atkinson & Messy, 2013). The poor people ran away to be financially included due to a lack of awareness, skills, and knowledge which creates a poor attitude towards the consumption of financial products/services (Bongomin, Munene, et al., 2017). This decreases the probability of poor people being financially included and discourages them to use financial goods. According to Holzmann (2010), the willingness for using financial goods, saving, borrow, or insure products is said to be the attitude of financial inclusion. Thus Willis (2008) said that this can be overcome by financial literacy, it makes the people learn how to plan their finances and change their attitude from living on daily wages to saving for the future. This creates a desire to plan their finances and save for the future.



**H3:** Attitude is positively related to financial inclusion.

$$FI = \propto + \beta_3 att$$

Behaviour and financial inclusion

It was observed by Tufano and Lusardi (2009), that it is important to make and develop personal finance for making informed financial decisions that contribute to the more efficient allocation of financial resources and financial stability. Effective financial behaviour promotes the use of financial services and shows the capability of planning, budgeting, and saving for the future (Bongomin, Munene, et al., 2017; Holzmann, 2010). Financial literacy can help the individuals to plan, budget, save, insure for the safety of future and old age, this also makes the people participate in the financial activities and be financially included (Braunstein & Welch, 2002).

**H4:** Behaviour is positively related to financial inclusion.

$$FI = \propto + \beta_4 beh$$

$$FIN = \alpha + \beta 1 \sum FIN + \epsilon$$
[1]

Where,

FI = Financial Inclusion

FIN= Financial Literacy

Financial literacy involves the measurement of the following proxies:

$$FIN = sk + know + att + beh$$

Where.

sk = Skills

know = Knowledge

att = Attitude

beh = Behaviour

## Social interaction as moderating Variable

Bongomin et al. (2020) observe that for promoting financial inclusion among the lower-class social interactions, ties and interdependence are the best way. According to Okten and Osili (2004), social interaction and social circle lead individuals to understand credit opportunities. Social interaction works as a device that determines the creditworthiness of poor individuals



for being selected to receive the loan (Aryeetey, 2005). According to Ahlin and Townsend (2007), social interaction was the basic tool for the poor for recommending members and ensuring the enforcement of repayment contracts. It is observed by Balatti et al. (2006) that the poor individuals usually get financially literate themselves through social interaction which enables them to access scarce resources. These accessible resources work as a function of resources, which includes physical/financial resources, skills, knowledge, contracts with other networks.

As witnessed by Miller et al. (2009), the poor individuals mostly rely on their social gatherings and follow them. However, these individuals could change their existing ties after financial literacy projects. This financial knowledge and resources can be utilized by transferring them within the new networks through financial literacy programs. For the lower class, it becomes a hazard to extend credit and lenders. The information about the availability of credit opportunities was shared among the lower through social networks. It makes individuals learn more about credit and loan opportunities.

The distinct information can be accessed by individuals who are opposed to structural holes which can be defined as the light connection among the people (Burt, 1992). Whereas the knowledge can easily be transferred within the structural hole of strong ties (Bongomin et al., 2020; Hansen, 2002). Financially literate members can share their knowledge and skills with other participants of networks (Falk & Kilpatrick, 2000; Okello Candiya Bongomin et al., 2016).

**Hs:** Social interaction significantly moderates the relationship between financial literacy and financial inclusion.

$$FI = \alpha + \beta 1 \sum FIN + \beta 2socialint * \sum FIN + \epsilon$$
 [2]

Where,

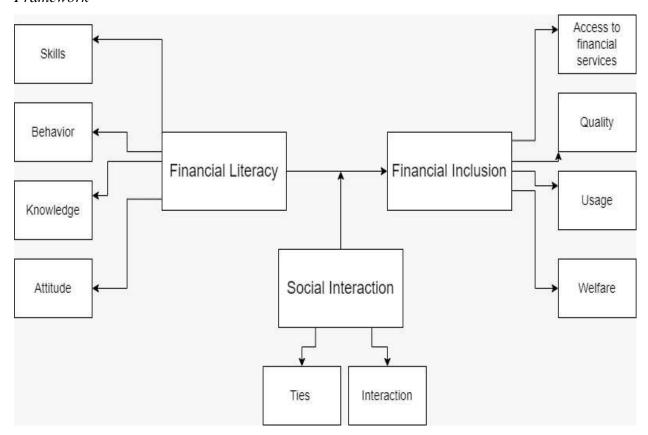
FI = Financial Inclusion

FIN = Financial Literacy

socialint = Social Interaction



Figure 1
Framework



## **Research Methodology**

# **Research Design**

Like the previous studies, this study uses a cross-sectional research design because it allows collecting data from the population over a shorter period. It is even the cheapest and less time-consuming research design than others, easily collects data, and excludes the recurring mistakes which were common in longitudinal research design (Okello Candiya Bongomin et al., 2016).

## **Population**

The target population of this study is the one who earns low levels of income and lives in the urban areas of Karachi. According to PBoS (2020), the people who earn about Rs.1,000 to Rs.50,000 were considered low-level incomers. They are the ones who lived a very rough/tough life and spend only on the essentials, not on the luxuries. The population for this study was drawn from the four regions of Karachi, which include northern, southern, eastern, and



central regions. According to Rowman and Littlefield (2016), from the total population of 160,515,121, about 14.9 million of them were living in the urban areas of Karachi.

Previous studies such as Bongomin et al. (2018) have investigated the impact of financial literacy on financial inclusion among the poor households of Uganda. For this study, the lower class is preferred as they are the ones who were financially excluded due to their low earnings and financial illiteracy. They hesitate to be financially included due to the increasing challenges in access to financial services. From the total population of Karachi, about 25-30 percent of individuals were breathing on low earnings (PBOS, 2020; Subohi, 2006).

## Sampling Design and Technique

A purposive sampling technique have been chosen for this study in this technique, only a specific group of people can provide the required information because they are the only one who has knowledge and expertise of that particular area. The selection criteria is based on the social lower class indicators which were an individual's health, education, welfare, employment, or income (PBOS, 2020). For achieving this total sample of lower-class the criteria were used continuously until it was accomplished. Future research can be conducted in the western district of Karachi, as according to Azfar-ul-Ashfaque (2017) about 283,247 populations of the western district were living as rural populations. According to Mansoor (2013), areas that were included in western Karachi are Orangi town, Mominabad, SITE area, Baldia, Manghopir, Kemari, etc. More than 400 questionnaires were distributed among which 300 questionnaires were received in complete and form.

## **Sampling Frame**

The target population of this research is low-income persons; males and females who earn income from Rs.1000 to Rs.50000. This sample includes individuals who are clerks, peons, sweepers, janitors, maids, guards, shopkeepers, waiters, laborers, postmen/deliverymen, etc. Table 1 shows the characteristics of the respondents. The table shows that majority of the respondents of the research are males i.e., 69.3%. The income level of majority of respondents was between 1000-30,000 and 85.3% of the respondents have a bank account while 14.7% respondents do not have a bank account.



Table 1 Characteristics of Respondents

Gender	Male	208	69.3%
	Female	92	30.7%
Income Level	1,000-Rs.10,000	128	42.7%
20,01	10,001-Rs.30,000	153	51.0%
	30,001-Rs.50,000	19	06.3%
	More than 50,000	0	0.0%
Family Members	5 or less	97	32.3%
ž	6-10	146	48.7%
	More than 10	57	19.0%
Bank Account Holders		256	85.3%

#### **Research Instrument**

This study is primary quantitative. The data is collected via 300 questionnaires from a sample of social lower class living in urban areas of Karachi to examine the impact of financial literacy on financial inclusion with moderating effect of social interactions. This study had adopted all the measurements of the questionnaire from a previously published study (Bongomin et al., 2016). We also translated the questionnaires into the Urdu language from a qualified lecturer of Siraj-ud-daulah government college of Karachi so that the people can understand the terms and knowledge easily. All the measurement items were tested before finalizing the questionnaire and then all the ambiguous questions were removed from it so that no one struggles to answer the questions.

## **Measures of Study Variables**

The main goal of this study is to examine the impact of financial literacy on financial inclusion with moderating effect of social interaction in the city of Karachi. Thus the key variables of this research are financial literacy, financial inclusion, and social interaction. In this study, the Likert measurement scale was chosen to measure the variables on five points. The following numbers show how strongly individual agrees or disagrees with the statement.

1. Strongly disagree 2. Disagree 3. Neutral 4. Agree 5. Strongly agree This study uses skills, behaviour, attitude, and knowledge as the measurements of financial literacy just like the previous studies (Tufano & Lusardi, 2009). According to Bongomin et al. (2020), these measurements were considered valid and dependable. Skills, behavior, attitude, and knowledge were considered as the factors of learning and education which influence the individuals to do something. Similarly, it happens with financial literacy, when



people get financially literate they try to be financially included. The dimensions which were chosen for measuring financial inclusion are access, quality, welfare, and usage (Bongomin et al., 2020). These dimensions were considered as the main pillars for the measurements of financial inclusion. Similarly, the key dimensions for social interactions which were adopted from previous studies are ties and interdependence; these two measurements seem to be the most valid dimensions.

## **Discussion and Analysis**

## **Data Analysis**

This study executed two steps for data analysis. The first step is to enter the data on a Microsoft Excel sheet as the data was collected through the paper survey. In the second step, the data was entered into the software called Partial Least Square (PLS) for determining the measurement model, reliability, validity, and SEM model. According to Setiawan et al. (2021), analyzing the structural and measurement model variance-based SEM-Structural Equation Modeling's Partial Least Square (PLS) is the best way. The data was examined and tested for wrong scoring or missing values before entering into the PLS and the data with missing values were removed from the sheet.

## Reliability and Validity

Table 2 Reliability Statistics

	Cronbach's Alpha	rho_A	Composite Reliability	Average Variance Extracted (AVE)
FI	0.86	0.894	0.897	0.597
FIN	-0.051	0.831	0.592	0.536
SOCIALINT	0.847	0.973	0.907	0.768
SOCIALINT*FIN	1	1	1	1

To measure the internal consistency and convergent validity of the variables the reliability and validity test was performed. The Cronbach's alpha coefficient and average variance explained (AVE) show the reliability and validity respectively. According to Bongomin and Ntayi (2019), the coefficient values above 0.70 and convergent validity above 0.50 were considered reliable and valid.

In this study financial inclusion and social interaction were considered reliable as their Cronbach's alpha results were higher at 0.86 and 0.847 respectively. The variables i.e interaction, inclusion, and literacy show an average variance of 0.768, 0.597, and 0.536



respectively which means that the variables are valid. Thus the results fulfilled all the requirements of convergent validity and reliability.

# **Discriminant Validity**

According to Henseler et al. (2015), heterotrait is a way to assess discriminant validity, and if it's below 0.90 then discriminant validity was established between constructs. All the values in table no.02 result below 0.90 which mean that all the variables are reflective constructs.

Table 3 Heterotrait-Monotrait ratio

	FI	FL	SOCIALINT	SOCIALINT*FL
FI				
FIN	0.896			
SOCIALINT	0.637	0.443		
SOCIALINT*FIN	0.582	0.416	0.174	

The discriminant validity measures the relationship of variables in diagonal.

Table 4
Discriminant Validity Statistics

	FI	FL	SOCIALINT	SOCIALINT*FL
FI	0.773			
FIN	0.783	0.732		
SOCIALINT	0.581	0.415	0.876	
SOCIALINT*FIN	-0.542	-0.387	-0.14	1

Table 4 represents that social interaction contains the highest square root of (SOCIALINT=0.876) and the lowest square root is of financial literacy (FL=0.732). This shows that the variables are distinctive and unique.

## **Measurement Model in Smart-PLS**

The PLS generates the factor loadings to the variables. According to Taylor and Geldenhuys (2019), the variables with 0.7 or higher outer loadings were considered adequate, 0.5 were acceptable but variables with 0.4 or lower values were removed.

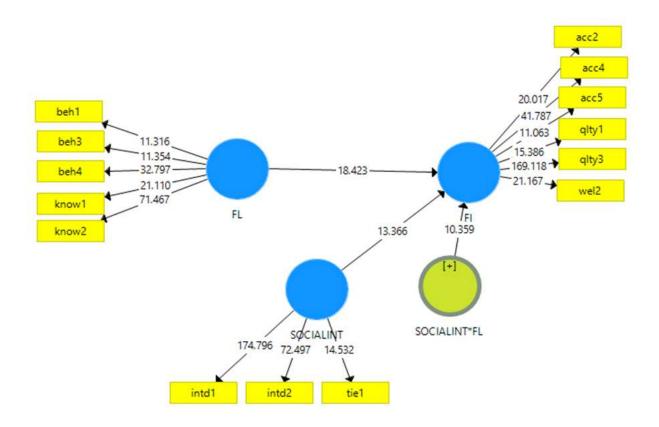


Table 5
Factor Loadings

	FI	FL	SOCIALINT	SOCIALINT*FL
FL * SOCIAL	INT			1.109
acc2	0.785			
acc4	0.855			
acc5	0.615			
beh1		0.612		
beh3		0.694		
beh4		0.743		
intd1			0.951	
intd2			0.933	
know1		0.682		
know2		-0.899		
qlty1	0.648			
qlty3	0.935			
tie1			0.727	
wel2	0.750			

Following model was the final model after the deletion of the variables that affect the AVE.

Figure 2



According to Bongomin and Ntayi (2019), if the item does not contain higher loadings then it will be deleted to improve the results but if the AVE will not improve after deletion of the



items then no items will be removed. In this study, this rule of thumb is used to improve the results of AVE. The sub-variables whose outer loadings are negative or less than 0.5 were removed from the model that includes skills, attitude, usage, welfare, etc. The factors which contain loadings from 0.5 to 0.7 or higher are access, behavior, knowledge, and quality i.e. acc5, beh1, beh3, know1, and qlty1 are acceptable.

## **SEM Results**

According to Bongomin and Ntayi (2019), to show the interrelation or links between the variables structural model is constructed, and for examining the hypothesis and structural model PLS-SEM was used. The table below illustrates the acceptance and rejection of the developed relationships.

Table 6 Statistical results of the direct relationship

	Beta	T Statistics	P Values	Results
FIN -> FI	0.54	19.119	0.000	Accepted
SOCIALINT -> FI	0.317	12.608	0.000	Accepted
SOCIALINT*FIN -> FI	-0.26	10.525	0.000	Accepted

The result shows that the path coefficient (β) between financial literacy (FIN) and financial inclusion (FI) is 0.54. This indicates a positive relationship between financial literacy and financial inclusion. As the p-value is 0.000, the result is highly statistically significant. Therefore, it can be concluded that financial literacy has a significant positive effect on financial inclusion. The path coefficient between social interaction (SOCIALINT) and financial inclusion (FI) is 0.317. This suggests a positive relationship between social interaction and financial inclusion. The p-value is 0.000, indicating a statistically significant result. Thus, it can be inferred that social interaction has a significant positive effect on financial inclusion. It can be said that all hypotheses are accepted.

However, the interaction of social interaction and financial literacy is found to have a negative impact on financial inclusion. This result suggests that the combined effect of high levels of social interaction and financial literacy may have a detrimental impact on financial inclusion.



#### **Effect Size Of Model**

According to Bongomin and Ntayi (2019), for determining the actual magnitude of the effect and strength of the model the effect size of the model is considered to be a standardized measure.  $R^2$  indicates the strength of the model as if  $r^2$  results 0.1, 0.3, and 0.5 it is described as a small effect, medium effect, and large effect respectively (Kock & Hadaya, 2018). The table below illustrates the strength of the model. The table above demonstrates a strong effect size as the result of  $r^2$  is 0.76.

Table 7
Effect size

	R Square	R Square Adjusted
FI	0.763	0.761

## **Conclusion and Recommendations**

It is important to note that financial inclusion is one of the most essential tools for financial development in any economy. As people starts using financial products/services, the will be included in the fincial system which enhances the capacity of financial institution to grow further. Financial inclusion (FI) and Financial Literacy (FIN) cannot be studied in isolation. People need to be aware of the financial products/services in order to use them for their financial decisions.

Besides, this also leads to understand the financial needs of the segement which are still outside the financial system of an economy. This study fills this gap, stating that financial inclusion is essential but without financial literacy, it is of no use.

The main purpose of this research is to investigate the moderating effect of social interaction between financial literacy and financial inclusion among the urban areas of Karachi. The findings of the direct relationship show that all the relations were statistically significant as all results ( $\rho \leq 0.05$ ) which means that the null hypothesis was rejected against the alternative hypothesizes. The finding shows that skills and attitude do not significantly influence financial inclusion.

Furthermore, the result shows that social interaction moderates the relationship between financial literacy and inclusion. It is also justified as social interaction works as a medium to flow the knowledge about financial goods and services. The resuls of the study confirms the



previous literature in a manner that, alongwith other variables, social interaction is a construct which needs to be taken while studying the relationship between financial inclusion and financial literacy.

#### References

- Agarwal, R. (2007). 100% Financial Inclusion: A challenging task ahead, proceedings of Conference on Global Competition and Competitiveness of Indian Corporate.
- Ahlin, C., & Townsend, R. M. (2007). Using repayment data to test across models of joint liability lending. *The Economic Journal*, 117(517), F11-F51.
- Aryeetey, E. (2005). Informal finance for private sector development in Sub-Saharan Africa. *Journal of Microfinance/ESR Review*, 7(1), 3.
- Atkinson, A., & Messy, F.-A. (2013). Promoting financial inclusion through financial education: OECD/INFE evidence, policies and practice.
- Azfar-ul-Ashfaque (Producer). (2017, August 30). DAWN. *DAWN*. Retrieved from <a href="https://www.dawn.com/news/1354776">https://www.dawn.com/news/1354776</a>
- Balatti, J. (2007). Financial literacy and social networks-what's the connection?
- Balatti, J., Black, S., & Falk, I. (2006). Reframing Adult Literacy and Numeracy Course

  Outcomes: A Social Capital Perspective. An Adult Literacy National Project Report:

  ERIC.
- Bank, W. (2012). Measuring Financial Inclusion Around the World.
- Bongomin, Munene, J. C., Ntayi, J. M., & Malinga, C. A. (2017). Financial literacy in emerging economies: Do all components matter for financial inclusion of poor households in rural Uganda? *Managerial Finance*.
- Bongomin, Munene, J. C., Ntayi, J. M., & Malinga, C. A. (2018). Nexus between financial literacy and financial inclusion. *International Journal of Bank Marketing*.
- Bongomin, & Ntayi, J. (2019). Trust: mediator between mobile money adoption and usage and financial inclusion. *Social Responsibility Journal*.
- Bongomin, Ntayi, J. M., & Malinga, C. A. (2020). Analyzing the relationship between financial literacy and financial inclusion by microfinance banks in developing countries: social network theoretical approach. *International Journal of Sociology and Social Policy*.
- Bongomin, Ntayi, J. M., & Munene, J. C. (2017). Institutional framing and financial inclusion. *International Journal of Social Economics*.



- Bongomin, Ntayi, J. M., Munene, J. C., & Nabeta, I. N. (2016). Social capital: mediator of financial literacy and financial inclusion in rural Uganda. *Review of International Business and Strategy*.
- Braunstein, S., & Welch, C. (2002). Financial literacy: An overview of practice, research, and policy. *Fed. Res. Bull.*, 88, 445.
- Burt, R. S. (1992). Structural holes: Harvard university press.
- Chauvet, L., & Jacolin, L. (2017). Financial inclusion, bank concentration, and firm performance. *World Development*, 97, 1-13.
- Clarke, M. (2012). The digital revolution *Academic and Professional Publishing* (pp. 79-98): Elsevier.
- Co-operation, O. f. E., & Development. (2009). PIAAC literacy: A conceptual framework.
- Cohen, M., & Nelson, C. (2011). Financial literacy: A step for clients towards financial inclusion. *Global Microcredit Summit*, 14-17.
- Cole, S., Sampson, T., & Zia, B. (2011). Prices or knowledge? What drives demand for financial services in emerging markets? *The journal of finance*, 66(6), 1933-1967.
- Demirguc-Kunt, A., Klapper, L., Singer, D., Ansar, S., & Hess, J. (2018). *The Global Findex Database 2017: Measuring financial inclusion and the fintech revolution*: The World Bank.
- Falk, I., & Kilpatrick, S. (2000). What is social capital? A study of interaction in a rural community. *Sociologia ruralis*, 40(1), 87-110.
- Finclusion (Producer). (2021). Financial Inclusion Insights. *Financial Inclusion Insights*. Retrieved from https://finclusion.org/topic/financial-literacy.html#dataAtAGlance
- Hansen, M. T. (2002). Knowledge networks: Explaining effective knowledge sharing in multiunit companies. *Organization science*, *13*(3), 232-248.
- Henseler, J., Ringle, C. M., & Sarstedt, M. (2015). A new criterion for assessing discriminant validity in variance-based structural equation modeling. *Journal of the academy of marketing science*, 43(1), 115-135.
- Holzmann, R. (2010). Bringing financial literacy and education to low and middle income countries: The need to review, adjust, and extend current wisdom: World Bank.
- IBRD, O., & DFID, C. (2009). The Case for Financial Literacy in Developing Countries-Promoting Access to Finance by Empovering Consumers. Washington: The WorldBank. available on-line at: <a href="https://www.mfw4a.org/nc/knowledge-center/resources/documents/documents-details/file/the-case-for-financial-literacy-in-developing-countries-promotingaccess-to-finance-by-empoweringc.html">https://www.mfw4a.org/nc/knowledge-center/resources/documents/documents-details/file/the-case-for-financial-literacy-in-developing-countries-promotingaccess-to-finance-by-empoweringc.html</a>.



- Kefela. (2010). Promoting access to finance by empowering consumers-Financial literacy in developing countries. *Educational research and reviews*, *5*(5), 205-212.
- Kefela. (2011). Implications of financial literacy in developing countries. *African Journal of Business Management*, 5(9), 3699-3705.
- Kock, N., & Hadaya, P. (2018). Minimum sample size estimation in PLS-SEM: The inverse square root and gamma-exponential methods. *Information systems journal*, 28(1), 227-261.
- Lochey, J. (Producer). (2020, February 10). Finextra. *Finextra*. Retrieved from <a href="https://www.finextra.com/blogposting/18441/financial-inclusion---a-word-with-many-meanings">https://www.finextra.com/blogposting/18441/financial-inclusion---a-word-with-many-meanings</a>
- Lusardi, A., & Mitchell, O. S. (2011). Financial literacy and planning: Implications for retirement wellbeing (0898-2937). Retrieved from
- Mallick, D., & Zhang, Q. (2019). The Effect of Financial Inclusion on Household welfare in china.
- Mansoor, H. (Producer). (2013, November 28). DAWN. *DAWN*. Retrieved from https://www.dawn.com/news/1058984
- Masiyandima, N., Mlambo, K., & Nyarota, S. (2017). Financial inclusion and quality of livelihood in Zimbabwe. Paper presented at the 14th African Finance Journal Conference-Africa growth Institute.
- Mejia, C. (Producer). (2020, april). WorldBank. *WorldBank*. Retrieved from <a href="https://databank.worldbank.org/data/download/poverty/33EF03BB-9722-4AE2-ABC7-AA2972D68AFE/Global\_POVEQ\_UGA.pdf">https://databank.worldbank.org/data/download/poverty/33EF03BB-9722-4AE2-ABC7-AA2972D68AFE/Global\_POVEQ\_UGA.pdf</a>
- Miller, M., Godfrey, N., Levesque, B., & Stark, E. (2009). The case for financial literacy in developing countries: Promoting access to finance by empowering consumers. *World Bank, DFID, OECD, and CGAP joint note, Washington, DC: World Bank (accessible at http://www.oecd.org/dataoecd/35/32/43245359.pdf)*.
- Morgan, P. J., & Long, T. Q. (2020). Financial literacy, financial inclusion, and savings behavior in Laos. *Journal of Asian Economics*, 68, 101197.
- OECD (Producer). (2002, March 15). OECD. *OECD*. Retrieved from <a href="https://stats.oecd.org/glossary/detail.asp?ID=3177">https://stats.oecd.org/glossary/detail.asp?ID=3177</a>
- Okello Candiya Bongomin, G., Ntayi, J. M., Munene, J. C., & Nabeta, I. N. (2016). Financial inclusion in rural Uganda: Testing interaction effect of financial literacy and networks. *Journal of African Business*, *17*(1), 106-128.

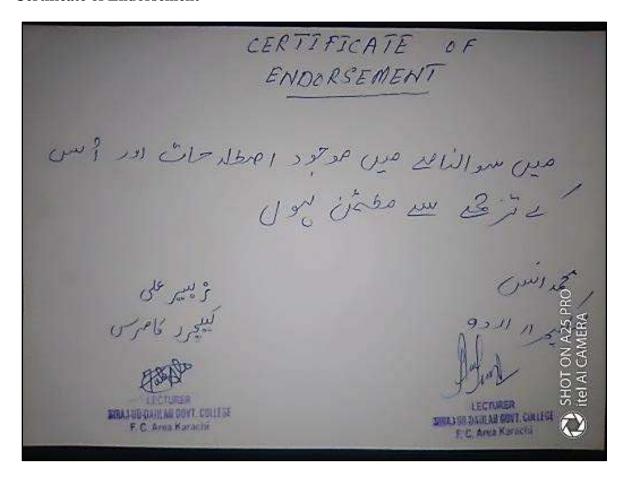


- Okten, C., & Osili, U. O. (2004). Social networks and credit access in Indonesia. *World Development*, 32(7), 1225-1246.
- Owori, M. (Producer). (2020, october 2). Development Initiatives Retrieved from <a href="https://devinit.org/resources/poverty-uganda-national-and-regional-data-and-trends/">https://devinit.org/resources/poverty-uganda-national-and-regional-data-and-trends/</a>
  <a href="https://www.pbs.gov.pk/content/pakistan-social-and-living-standards-measurement">https://www.pbs.gov.pk/content/pakistan-social-and-living-standards-measurement</a>
- Porta, R. L., Lopez-de-Silanes, F., Shleifer, A., & Vishny, R. W. (1998). Law and finance. *Journal of Political Economy*, 106(6), 1113-1155.
- Qazi, M. (Producer). (2018, December 12). Business Line. *Business Line*. Retrieved from <a href="https://www.thehindubusinessline.com/opinion/financial-literacy-is-key-to-financial-inclusion/article25726991.ece">https://www.thehindubusinessline.com/opinion/financial-literacy-is-key-to-financial-inclusion/article25726991.ece</a>
- Ramji, M. (2009). Financial inclusion in Gulbarga: Finding usage in access. *Center for Micro Finance Working Paper*, 26.
- Rowman, & Littlefield (Producer). (2016, December 23). Wiki. *Wiki*. Retrieved from https://en.wikipedia.org/wiki/Karachi
- Setiawan, M. A., Salim, U., & Khusniyah, N. (2021). THE eING ROLE OF SOCIAL CAPITAL IN THE RELATIONSHIP BETWEEN FINANCIAL LITERACY AND FINANCIAL INCLUSION. *Jurnal Aplikasi Manajemen*, 19(4).
- Subohi, A. (Producer). (2006, November 20). Dawn. *Dawn*. Retrieved from https://www.dawn.com/news/219652/defining-income-groups
- Taylor, T., & Geldenhuys, S. (2019). Using partial least squares to measure tourism students' satisfaction with work-integrated learning *Tourism-Perspectives and Practices*: IntechOpen.
- Tufano, P., & Lusardi, A. (2009). *Debt literacy, financial experiences, and overindebtedness*: National Bureau of Economic Research.
- UNCDF (Producer). (2019, May). UNCDF. *UNCDF*. Retrieved from https://www.uncdf.org/inclusive-digital-economies
- UNCDF (Producer). (2021). UNCDF. *UNCDF*. Retrieved from <a href="https://www.uncdf.org/financial-inclusion-and-the-sdgs">https://www.uncdf.org/financial-inclusion-and-the-sdgs</a>
- UNCDF, & SDGS (Producer). (2021). UNCDF. *UNCDF*. Retrieved from https://www.uncdf.org/financial-inclusion-and-the-sdgs
- Willis, L. (2008). Against financial literacy education (Iowa Law Review No. 94).



## **Appendix**

## **Certificate of Endorsement**



# Questionnaire

# **Background Information**

Gender:

• Male
• Female

**Age group:** • 18-30 • 40-50

• 30-40 • Above 50

People in your
house:

• 5 or less
• 6-10

• More than 10

Occupation:

• Rs.1,000-Rs.10,00

Income earned:

• Rs.10,001Rs.30,000

• Rs.30,001-Rs.50,000

• More than Rs.50,000

**Have bank account:** • Yes • No

		FINANCIAL LITERACY	Strongly disagree	Disagree	Neutral	Agree	Strongly agree
IAV	1.	In this household, we always save regularly.					
BEHAV	2.	In this household, we always spend by sticking to our budgets.					



ہوں

اتفاق

	3.	In this household, we have been actively		
	5.	saving in the past years.		
	4.	Members of this household often have		
	4.	better spending behaviour.		
	_	Members of this household have financial		
	5.	goals and how to achieve them.		
		Members of this household can accurately		
	6.	determine benefits and costs from		
Š		financial dealings.		
SKILLS	_	Members of this household can compute		
K	7.	interest rates.		
<b>9</b> 1	_	Members of this household can plan for		
	8.	their future financial needs.		
	_	Members of this household are always		
	9.	interested in financial news.		
$\Xi$		In this household, members feel very		
JD.	10.			
T		institutions.		
ATTITUDE		Members of this household have a good		
AT	11.	attitude towards saving money.		
		Members of this household are always		
	12.	interested in financial news.		
		Members of this household are		
GE	13.	knowledgeable about financial risk.		
KNOWLEDGE		Members of this household are		
LE	14	knowledgeable about the costs and		
W	1-10	benefits of financial goods/services.		
NC		Members of this household know		
K	15.	financial terms.		
			1	

(سوالنامم) QUESTIONNAIRE • عورت 50-40 • 30-18 • عمر گروپ: 50 سے اوپر 40-30 • • 5 یا اس سے کم آپ کے گھر کے لوگ: 10 سے زیادہ۔ 10-6 پیشہ: 1000 روپے - 100000 روپے
 10000 روپے سے 300000 روپے روپے سے 50،000 روپے 30،001كمائي بوئي آمدني: 50،000 روپے سے زیادہ بینک اکاؤنٹ ہے: • جي ٻان بہت متفق متفق جانبدا (مالیات کے بارے میں تعلیم یافتہ ہونا) FINANCIAL LITERACY زیاده زياده نېيں

اختلاف



					گھر میں ہم ہمیشہ باقاعدگی سے بچت کرتے ہیں۔	1.	
					گھر میں ہم ہمیشہ اپنے بجٹ کو دھیان میں رکھ کر اخر اجات کرتے ہیں۔ ہیں۔	2.	
					ہیں۔ گھر میں ہم پچھلے سالوں سے باقاعدگی کے ساتھ بچت کر رہے ہیں۔	3.	<u>ک</u> و
					گھر کے ممبران کا خرچ کرنے کے معاملے میں رویہ بہتر ہے۔	4.	
					اس گھر کے ارکان مالی مقاصد کو حاصل کرنے کے لئے سوچ بچار کرتے ہیں۔	5.	
					کھر کے ارکان مالی معاملات میں فوائد اور اخراجات کا درست تعین کر سکتے ہیں۔	6.	
					گھر کے ارکان شرح سود کا حساب لگا سکتے ہیں۔	7.	Æ.
					گھر کے ارکان ان مستقبل کی مالی ضروریات کے لئے منصوبہ بندی کر سکتے ہیں۔	8.	
					گھر کے افراد مالی خبروں میں دلچسپی رکھتے ہیں۔	9.	
					گھر کے افراد مالیاتی اداروں سے معاملات میں دلچسپی رکھتے ہیں۔	10.	ш.
					گھر کے افراد بیسوں کی بچت میں دلچسپی رکھتے ہیں۔	11.	اندان
					گھر کے افراد ہمیشہ مالی خبروں میں دلچسپی لیتے ہیں۔	12.	
					گھر کے افراد مالی خطرات سے متعلق آگاہی رکھتے ہیں۔	13.	
					گھر کے افراد یہ معلومات رکھتے ہیں کہ مالی خدمات اور چیزیں حاصل کرنے میں انہیں کیا فوائد اور قیمت ادا کرنا پڑے گی۔	14.	7
					اس گھر کے ارکان مالی شرائط جانتے ہیں۔	15.	
بېت زياده اتفاق	متفق بو <i>ں</i>	غیر جانبدا ر	متفق نہیں	بېت زياده ختلاف	FINANCIAL INCLUSION (مالی شمولیت.)	15.	
-	_			زياده	FINANCIAL INCLUSION (مالی شمولیت.)	15. 16.	
زیاده	_	جانبدا		زياده	المالی شمولیت۔)  FINANCIAL INCLUSION (مالی شمولیت۔)  مالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات  نے ہمارے معیار زندگی کو بہتر بنایا ہے۔  مالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور خدمات  نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔	16. 17.	.بر بري
زیاده	_	جانبدا		زياده	المالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور خدمات نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔ مالیاتی ادارے کی جانب سے فراہم کردہ مصنوعات میں بچت رات ہماری ضرورت کے مطابق ہے۔	16.	.بر بري
زیاده	_	جانبدا		زياده	المالیاتی اداروں کی جانب سے فراہم کر دہ مصنوعات اور سہولیات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی اداروں کی جانب سے فراہم کر دہ مصنوعات اور سہولیات مالیاتی اداروں کی جانب سے فراہم کر دہ مصنوعات اور خدمات نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔ مالیاتی ادارے کی جانب سے فراہم کر دہ مصنوعات میں بچت رات ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کے ذریعہ فراہم کر دہ مصنوعات اور خدمات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔	16. 17.	.بر بري
زیاده	_	جانبدا		زياده	المالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور خدمات نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔ مالیاتی ادارے کی جانب سے فراہم کردہ مصنوعات میں بچت رات ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کے ذریعہ فراہم کردہ مصنوعات اور خدمات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔	16. 17. 18.	ويلفيئر (بېٽرى)
زیاده	_	جانبدا		زياده	المالیاتی اداروں کی جانب سے فراہم کر دہ مصنوعات اور سہولیات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی اداروں کی جانب سے فراہم کر دہ مصنوعات اور سہولیات مالیاتی اداروں کی جانب سے فراہم کر دہ مصنوعات اور خدمات نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔ مالیاتی ادارے کی جانب سے فراہم کر دہ مصنوعات میں بچت رات ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کے ذریعہ فراہم کر دہ مصنوعات اور خدمات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔	16. 17. 18.	ويلفيئر (بېٽرى)
زیاده	_	جانبدا		زياده	المالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات نے ہماری کی جانب سے فراہم کردہ مصنوعات اور خدمات نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔ مالیاتی ادارے کی جانب سے فراہم کردہ مصنوعات میں بچت رات ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کے ذریعہ فراہم کردہ مصنوعات اور خدمات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی ادارے کے ذریعے فراہم کردہ بچت کی مصنوعات ہمارے لئے محفوظ ہیں۔ مالیاتی ادارے کی جانب سے فراہم کردہ ادائیگی کی سہولت ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کی جانب سفر کے اخراجات کم ہیں۔	16. 17. 18. 19. 20.	ويلفيئر ت)   ديلارئ
زیاده	_	جانبدا		زياده	المالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات مالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور خدمات نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔ مالیاتی ادارے کی جانب سے فراہم کردہ مصنوعات میں بچت رات ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کے ذریعہ فراہم کردہ مصنوعات اور خدمات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی ادارے کے ذریعے فراہم کردہ بچت کی مصنوعات ہمارے لئے محفوظ ہیں۔ مالیاتی ادارے کی جانب سے فراہم کردہ ادائیگی کی سہولت ہماری ضرورت کے مطابق ہے۔	16. 17. 18. 19. 20.	کوالٹی (خصوصیت) (بہتری)
زیاده	_	جانبدا		زياده	المالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور خدمات نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔ مالیاتی ادارے کی جانب سے فراہم کردہ مصنوعات میں بچت رات ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کے ذریعہ فراہم کردہ مصنوعات اور خدمات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی ادارے کے ذریعہ فراہم کردہ بچت کی مصنوعات ہمارے لئے محفوظ ہیں۔ مالیاتی ادارے کی جانب سے فراہم کردہ ادائیگی کی سہولت ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کی جانب سفر کے اخراجات کم ہیں۔ مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی اداروں سے مالی خدمات حاصل کرنے کا عمل آسان ہے۔	16. 17. 18. 19. 20. 21.	کوالٹی (خصوصیت) (بہتری)
زیاده	_	جانبدا		زياده	المالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور سہولیات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی اداروں کی جانب سے فراہم کردہ مصنوعات اور خدمات نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔ مالیاتی ادارے کی جانب سے فراہم کردہ مصنوعات میں بچت رات ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کے ذریعہ فراہم کردہ مصنوعات میں بچت رات خدمات نے ہمارے معیار زندگی کو بہتر بنایا ہے۔ مالیاتی ادارے کے ذریعے فراہم کردہ بچت کی مصنوعات ہمارے لئے محفوظ ہیں۔ مالیاتی ادارے کی جانب سے فراہم کردہ ادائیگی کی سہولت ہماری ضرورت کے مطابق ہے۔ مالیاتی ادارے کی جانب سفر کے اخراجات کم ہیں۔ مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری مالیاتی ادارے کی جانب جب سے فراہم کردہ قرض کی مصنوعات ہماری ضروریات کے مطابق ہیں۔	16. 17. 18. 19. 20. 21. 22. 23.	ويلفيئر (بېٽرى)



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					مالیاتی ادارے کی طرف سے فراہم کردہ مالیاتی خدمات سہل اور رسائی کے قابل ہیں۔	27.	
					مالیاتی اداروں کی جانب سے اکاؤنٹ کھولنے کی فیس مناسب ہے۔	28.	
					مالیاتی ادارے کی جانب سے لی جانے والی قرض کی فیس مناسب ہے۔	29.	سائی رسیلہ)
					کے مالیاتی ادارے کی جانب سے اکاؤنٹ کی دیکھ بھال کی فیس مناسب ہے ۔	30.	
					مالیاتی ادارے کے ذریعہ فراہم کردہ مصنوعات اور خدمات نے سہولیات تک ہماری رسائی کو بہتر بنایا ہے۔	31.	
بہت	متفق	غير	متفق	بہت			
زیاده اتفاق	ہوں	<b>جانبدا</b> ر	نہیں	زياده اختلاف	(سماجی میل جول) SOCIAL INTERACTION		
_	_	<b>جانبدا</b> ر	_		SOCIAL INTERACTION (سماجی میل جول) اس گھر میں ہم سماجی گروہ کا حصہ ہیں جو متواتر دوسر ے گروہوں سے ملاقات کرتے رہتے ہیں۔	32.	دهن
_	_	<b>جانبدا</b> ر	_		اِس گھر میں ہم سماجی گروہ کا حصہ ہیں جو متواتر دوسرے		بندهن
_	_	بانبدا	_		اس گھر میں ہم سماجی گروہ کا حصہ ہیں جو متواتر دوسرے گروہوں سے ملاقات کرتے رہتے ہیں۔	32.	ختاری بندهن