


“The impact of maintenance fees on students’ willingness to maintain bank accounts and establish credit profile”

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THE IMPACT OF MAINTENANCE FEES ON STUDENTS' WILLINGNESS TO MAINTAIN BANK ACCOUNTS AND ESTABLISH CREDIT PROFILE

Abstract

The purpose of this article is two-fold: to investigate how recurring maintenance fees levied on students' accounts impact on university students' willingness to maintain bank accounts and therefore begin creating the necessary credit profiles. Credit profiles provide financial history that is useful for banks and other lenders to evaluate clients' credit worthiness. Many students in South African universities are ignorant of this requirement and usually make choices detrimental to their accessing current and future financial products. The banks' service quality and students' expectations need to be harmonized at some point.

The study was exploratory in nature, using expressive statements on banking costs to expose common causes of financial burden, the best and worst case scenarios of utilizing banking products including benefit accrual from their use. Pre-intervention data was collected using questionnaires N=60 conveniently sampled financial management students. The post-intervention data was collected from the same students N=55 using similar questionnaires where five students did not show up. The study also assessed financial management tutorial influence on students' decision making after being exposed to banking market demands and their costs. SPSS was used to analyze data collected.

Cheaper once-off cardless services were found to be popular with students receiving money, citing its reasonableness and depositor charger rather than recipient shouldering transaction costs. Students confirmed their satisfaction with saving costly recurring bank account maintenance fees, earning 0% interest on credit balances. Bank account holders increased in post-intervention compared to pre-tutorial with better understanding of client's profile value for accessing credit. Other students remained reluctant to maintain bank accounts despite future economic benefits. Bank account maintenance fees discourage students from maintaining bank accounts. Maintenance fees may aid banks user cost recovery but losing clients to competing cheap cardless products may be more costly.

The study contributes to relationship management in banking sector. Research debate focused on bank selection criteria based on established key quality factors and service. Little scholarly investigation exists on reasons for annulling bank accounts, replaced with once-off cardless services that is gaining popularity with university students over maintaining bank accounts. Highlighting what is critical to students, the paper may influence banks policies and developers to design innovative products suitable for university students market. Affordability and incentives are key attraction points for clients, mainly university students operating with limited resources. Loyalty prospects can surpass immediate recovery derived from maintenance fees.

Keywords

credit profile, maintenance fees, cardless services,
university students

JEL Classification

G21, L84

INTRODUCTION

It is increasingly becoming necessary for university students to understand and participate in financial markets, which may be initiated with maintaining bank accounts in order to access certain banking

services, receive allowances and begin the culture of saving a portion of their income. In addition, students need to kick-start their relationships with banking institutions while still studying in order to understand their practice and continue its use, which will be required once they enter the job market. There is, however, limited evidence that addresses the reasons for students' reluctance to commit to maintaining a bank account with one of the banking institutions.

Banking institutions would ordinarily want to recover the costs of maintaining a bank account from the user, even though this may have unintended consequences for future client relationships adversely affecting their future prospects. It has become necessary for banking institutions to understand students' behavior and attitudes in order to inform the development of attractive financial products and for retention strategies.

Cardless services are financial products allowing once-off deposits and receipts of banking services, equivalent to using cash, mainly used by the poor as channels to deliver and exchange money from one person to the other (Lehman & Ledgerwood, 2013). These services are accessible at Computicket, E-wallet and Blue-wallet and others, enabling senders, by paying a minimum fee, to deposit money for the benefit of anyone with a registered mobile number in South Africa, whether or not the recipient possesses a bank account. A reference number would be sent to the recipient's mobile number, which they must punch in to withdraw the sent money. Dauda and Lee (2015), Mas and Rotman (2008) explain these electronic wallets as transactions carried out off-line, eliminating the direct involvement of financial intermediaries together with their burden of high fixed costs of debit and credit cards. Recipients can avoid Automatic Teller Machine (ATM) and all card management costs (Bhosale & Sawant, 2012). Even though South Africa's banks offer cardless services, they remain detrimental to both students (creating no profile to access financial products) and the banks' desire to attract and retain clients (contradicting clients' attraction and retention strategy), as the once-off services require no recipient commitment once the money is collected. Banks' participation in providing cardless services is self-defeating.

While banks cannot guarantee the clients' reuse of their service, the absence of a bank account offers no financial database, meaning that recipients are far away from building a profile that can attest to their financial behavior. It also means the students who prefer to use the cardless service would be exposed to unfavorable credit evaluation if needed. It is important for banking institutions to understand and cater for the diverse under-served university students market for their strategic planning to be realistic. The reality is that the service comes at a cost, as clients' attraction costs are higher than those of retaining and selling services to existing clients (Driggs, Ramsey, & Nunes, 2006; Ogechukwu, 2012). Attracting university students would be even more expensive, as banks would depend on the prospects of these students becoming their future clients, requiring patience and futuristic strategies of sustaining business interest.

Driggs, Ramsey, and Nunes (2006) reiterate that attracting customers and retaining their loyalty must be treated like team sport, with vital roles such as product development, marketing, pricing, sales and service pulling in the same direction. The question should not be whether or not to do it but how (Seelos & Mair, 2007).

The objective and significance of the study

The study's objective is to explore whether or not the recurring maintenance fees charged to students' bank accounts encourage or discourage their willingness to maintain bank accounts to begin building their credit profile. It intended to understand the reasons for university students' option for cardless services or cash transactions over maintaining a bank account. The general assumption is that cardless services or cash transactions are once-off and cheap, however, they may cost the students' current and future inclusion in the financial market.

It is important to understand how recurring maintenance fees levied on university students' accounts impact on their willingness to maintain bank accounts, serving as stepping-stones towards building the necessary credit profiles. Credit profiles are sources of financial records referred for use by banking institutions to judge clients' creditworthiness at the time when accessing financial products is needed. It is important to identify ways to convince students to initiate minimal participation in financial markets while still studying. Other financial products would be gradually introduced to orientate and build shock absorbers for greater services access once students become financially independent. At some point, the banks' service quality and students' expectations need to be harmonized, which was addressed through a series of personal financial management tutorials.

The study also assessed tutorial impact after exposing students to financial market demands, their costs including the best and worst case scenarios influenced by clients' knowledge level when utilizing banks' products. The tutorial addressed students' banking services perceptions, the significance and abilities to building credit profiles, budgeting and saving techniques. The trend is for students to start engaging with financial products access when they are financially independent, but this might be overwhelming, as many leave universities with education debt burdens, believed to be for a worthy course (Porter, 2002; Long & Riley, 2007). The burdens impact negatively on a person's budget and credit ratings carried into adulthood. Unfavorable credit rating further excludes students from accessing financial services or if allowed to access the service, it will be offered at an inflated price.

SA's tertiary students should not be left trailing behind their peers who already enjoy extended benefits such as those in Kenya and other countries who have benefited from reduced fees or free maintenance students accounts. Students in Australia and United Kingdom enjoy benefits like maintenance fees exemption, earn additional interest incentive on their credit balances/savings, can access minimal interest free loans and credit cards services unique to tertiary students accounts (Choe, 2009). The banks in these countries absorb the costs of recurring maintenance fees and other incentives to attract and retain students with the hope of establishing loyalty of customers with potential to earn high income (Njiri, 2016). The graduate clients have potential to bring high returns and increased business for the banks. These kinds of benefits are minimal in SA, and students' access to most financial products normally requires collateral provision from parents or some financially independent person.

Generally students perceive bank account maintenance to be more punitive than beneficial. Greater concern was raised with the expectation to pay monthly fees irrespective of use and the absence of incentives. Credit balances earned 0% interest, which discourages students from savings. The banks' lack of incentives and costlier maintenance fees mean students are better off without the service, making cardless services more sensible, given students' financial situation. Such choices, however, have long-term detrimental effects on the students' future access and participation in the banking markets. The paper is a part of a larger research project addressing students' financial knowledge, financial markets participation and the motivation to save.

The study intends to bridge the gap between students expectations and banking institutions processes by aligning both parties' strategic positioning to identify value in each other's support.

1. LITERATURE REVIEW

SA's youth population below the age of 25 years is estimated at 52%, placing the country at a good future position compared to other developed countries dominated by ageing population adversely impacting future plans and burdening state

healthcare and support system (Mkalala, 2016). The very youth is facing the plight of unemployment and lack of opportunities averaged at 63% in SA and young graduates struggling to find suitable work with many competing for what is considered minimum wage (Mkalala, 2016). Without regular income, students will automatically fall short of

meeting the bank's demand for recurring maintenance fees. What will become SA's future when more than half the population is excluded from active participation in banking institutions or, as it is, have little understanding about how they function? These constitute a generation that must take up the baton from the current management as the country's economic custodians. The vast majority of students rely on their adult family members or guardians to access banking services, because the financial markets are focusing more on adults and less oriented towards the needs of the youth, the majority of whom are university students.

A Standard Bank manager (Dr Molapo) advocates that bankers should think like fleet managers to go above and beyond client expectations (Molapo, 2016). He directs leaders in the field to listen carefully to the needs of the client and be willing to innovate constantly. It has become necessary for banking institutions to understand students' behaviors and attitudes in order to inform the development of attractive financial products and for retention strategies. There is, however, little evidence that addresses the reasons for students' reluctance to foster lasting relationships with banking institutions. Research debate has focused on bank selection criteria based on established key quality factors in banking such as service, proximity, attractiveness, recommendations, marketing and pricing (Chigamba & Fatoki, 2011; Kheng, Mahamad, & Ramayah, 2010; Coetzee, van Zyl, & Tait, 2012; Mokhlis, Mat, & Salleh, 2008). In order to judge service quality, the person should have been a bank client or willing to foster continuous relationships even when they hop from one bank to the other, attracted or detracted by incentives offered. The debate neglects to investigate the reasons for annulling bank accounts, where once off cardless services are gaining popularity with students over mutual and enduring banking relationships maintaining bank accounts.

1.1. The benefits of maintaining a bank account

Every bank, like any other business, is dependent on its ability to attract and retain clients for its survival in the market. On the other hand, clients must perceive reciprocal participation that is worthwhile and yielding benefits greater than

those which accrue from non-participation (Ennew, 1996). The extent to which both parties participate in a relationship impacts on overall satisfaction and customer retention (Ennew, 1996). More often than not, bank switching or entry and exit are caused by disillusionment in that such decisions will still have an adverse impact on the objectives of banking. Consequently, such decisions also adversely affect client satisfaction, specifically with fee pricing issues and lack of incentives (Nordman, 2004; Gan, Cohen, Clemes, & Chong, 2006).

Engagement with potential banking student clients indicated general knowledge of the benefits of possessing a bank account, but it was less prioritized given their other pressing issues (Atkinson & Messy, 2013). Anyway, developing countries' banking systems and capital markets are often skewed towards affluent people and catering more for large enterprises (Claessens, 2006; Amaeshi, Ezeoha, Adi, & Nwafor, 2007). The market can be given costly, above average services to recover the cost of ordinary products offered to the broader community, particularly students who are not earning a regular income.

1.2. Building credit profile

Strong credit histories are critical in accessing affordable credit needed to acquire expensive assets, which are also important tools for lenders to assess the risk factors involved (Birkenmaier, Curley, & Kelley, 2011). Inability to create a healthy credit profile with historical transactions, consequential to cash transactions, predisposes credit users to exploitative credit and financial services. The lack of credit profile inevitably leads to debt burdens (Birkenmaier, Curley, & Kelley, 2011).

University students fit the profile of those exposed to exploitation risk, as the majority of them are financially illiterate, together with the families they come from. Financially excluded and illiterate families struggle to expose their growing children to financial matters, when they are not informed themselves (Atkinson & Messy, 2013). Personal finance education and financial services are the least included in undergraduate university programs, more so in developing countries than developed countries (Sabitova, 2014). The lack thereof is det-

amental to the individual's social and economic well-being, including the personal relationships. It would thus be imperative for students to learn and develop healthy credit profile in order for them to access affordable credit, the benefits of which could filter through to their families and friends.

1.3. Barriers to banking services access

Large price increases might motivate consumers to use fewer products or shift to another brand, discounted prices are mostly the reason for consumers' choices (Litman, 2004). Poor services, high bank fees and failure to appreciate student needs are arguably three major factors frustrating customers (Thwaites & Vere, 1995). Students are famous for being extremely sensitive to prices; their displeasure can cause huge consumption pattern changes (Litman, 2004).

Developed financial system was found to reduce poverty and income inequality instead of the usual capitalist enterprise's focus on handing over their largest possible profit to capital owners (Claessens, 2006). Lowering or eliminating maintenance fees and paying incentive could be a strong motivation to save, because households in developing countries often cite high fees as a reason for not saving in bank accounts (Meyer, Zimmerman, & Boshara, 2008). If not saving in bank accounts where else would they save? It is thus necessary for banks to nurture relationships commencing from the time students are still studying, otherwise they risk losing them permanently.

1.4. The dilemma of the poor and unemployed

A high percentage of low-income households in developing countries are without bank accounts with an even higher number of those below average incomes such as those living in Mexico City and United States having no relationships with banks together with access to saving avenues (Djankov, 2008). Millions of potential clients in South Africa are said to be currently struggling to access the mainstream financial services, yet a high percentage of them have outstanding microloan balances (Lafourcade, Isern, Mwangi, & Brown, 2005).

These microloans are easily accessible and popular with the poor, majority of who are unaware of the exorbitant finance costs attached to such risky transactions until they commit themselves. It may explain Barnhill, Papanagiotou, and Schumacher (2002) findings of the highest default rates to be among financial markets, charging borrowers high interest rates, a common problem also in South African society. These are the challenges facing poor communities in developing countries who lack financial education, together with opportunities for viable and sustainable financial products. Pont and L. McQuilken (2005) attribute these social welfare issues to improper financial decisions and depravations, indicative of prejudice that perpetuates the poor's conditions and the benefits that the privileged take for granted.

Djankov (2008) thus concludes that poorer households are unbanked, having the least relationship with banks as the cost of maintaining a bank account outweighs its benefits. In essence, this explains SA's wide-spread cheaper cardless services choice as the most suitable, although it compromises saving avenues and all the benefits associated with banking services. The banks' investment in students market will be worthwhile looking at average future profit prospects which are greater from graduates' higher income as compared to that of non-graduates (Carnoy, Loyalka, Androushchak, & Proudnikova, 2012).

1.5. How large is the cost of cash transaction?

The uneducated and poor stay unbanked, as keeping a bank account is expensive for their infrequent financial transactions, even though informal sector is expensive in the long run (Djankov, 2008). Being unbanked means clients are excluded from paying online, but their transaction still means the hassle of standing in long queues to deposit money into the suppliers' bank account, then send fax or scan and forward payment proof. This informal sector is costly with procedure and time consuming to perform a transaction. Furthermore, many suppliers, lately, charge additional fees to be included with cash deposits in order to recoup the cash handling fees usually charged by banks. All these costs are eliminated with electronic transfers, which are possible with maintaining a bank account.

2. THEORY OF RELATIONSHIP QUALITY AND PROFITABILITY

According to Nordman (2004), the theory provides the foundation for considering and understanding the world. Service quality and customer satisfaction (product offer and meeting customer needs) connect service management with its notion of perceived service quality to relationship marketing, achieved with satisfied employees and customers (Yee, Yeung, & Cheng, 2008). Redefining quality in client-bank relationship is necessary though, as technology enables banking transactions in remote areas, making face to face least likely. With outdated strategies banks may lose student clients who have lost touch with historical classification of quality features. Unless services are redefined and clustered according to different market segments, students will be pushed further away from being financially included. Students' financial literacy has been already classified as being far below those of older generations, yet, many exhibit excessive credit utilization behavior that may push them further away from future inclusions (Atkinson & Messy, 2012; Devlin, 2005).

3. RESEARCH METHOD

A mini survey was conducted in a class of university students composed of those registered for business finance and some others registered for personal finance for their degree qualifications. The group was conveniently sampled supposing these students would be conversant with the banking market practice.

The researcher administered questionnaires collecting primary data pre-intervention from a population size of N=60 at the beginning of the semester. She then conducted a two day non-examinable Personal Finance tutorial with these students. The tutorial covered income sources, budgeting, spending and savings, debt and the credit profile role when accessing and negotiating financial deals. It included expressive material such as statements displaying debt costs and penalties (omitting owner's identity) and how to avoid them. These exposed the common causes of financial

burden, which can taint borrower's image.

After the tutorial, the students were mandated to experiment with banking market function and its demands. At the end of the semester, post-intervention data were collected from the same group N=55, because five students of the pre-intervention group were absent when post-intervention data were collected. Students responded to questionnaires similar to those used in pre-intervention. SPSS was utilized to analyze the data.

4. RESULTS

The demographic information was intended for research population classification and their age ranges, because students' bank accounts are categorized according to age, separating high school pupils from tertiary students. The demographic information was, however, not used for distinct analysis in the study (See Appendix A).

4.1. Demographic characteristic

Table 1. Participants gender

Gender	Number	Percentage, %
Female	28	46.67%
Male	32	53.33%
Total	60	100%

Table 2. Age frequency of participants

Age ranges	Number	Percentage, %
18-20 years	46	76.66%
21-23 years	11	18.33%
24-26 years	2	3.33%
Above 26 years	1	1.67%
Total	60	100%

5. DISCUSSION

More than half of the student sample prefer to use cash transactions and cardless services to receive allowance money. The situation, however, improved

in post-intervention. In post-intervention, more students understood the value of building a credit profile, but some remained negative to maintaining a bank account, as they felt it was expensive. Little is known about building a credit profile to enable access to bank products. Students with the slightest idea of its significance assign the responsibility to the older generation, hoping to establish their own at the time of their financial independence.

The impact of the absence of a bank account and the credit profile would be felt more in post schooling period when the need to acquire expensive items such as properties and cars exist. Simple services such as renting a car from the rental companies would be next to impossible with cash transactions. It would mean students must postpone such acquisitions and needs until such time that a convincing profile has been created. Alternatively, students will have to settle for unfavorable financial market terms, as they will be regarded as high risk clients or use the services of a third party meeting the requirements to acquire the service on their behalf.

Drawing a budget was almost non-existent in pre-intervention; however, it improved in post-intervention. Another concern is from those who actually draw a budget, but were failing to stick to what they have planned. Students seem to be less motivated to save with overall scores far below average than adult. The limited avenues for saving small sums of money may be the causes of discouraging the students from such practice. More must to be done to improve students' willingness to maintain bank accounts and develop the culture of saving irrespective of the allowance amount received. Hopefully, the banking institutions would make it worth while for the students' by rewarding their saving efforts.

6. MANAGEMENT IMPLICATIONS

Majority of SA's tertiary students do not understand financial management and neither are they financially savvy. It may be the reason for their sometimes unrealistic expectations and demands. Conceivably they have been judged through the lens of adults "failing to serve them fast, make the service fun and more favorable" (Motlhabane,

2016). Banking services have been created with the adult in mind and students must just fit in and choose from what is offered.

Standard Bank's cheapest students' account, charging no maintenance fees within prescribed limitations, is hardly known to students. The product value is eroded, as students tend to generalize their perceptions about the banks. Marketing variety of financial products and costs is not only needed to complement product developments (Dauda & Lee, 2015), but also requires going beyond selecting the relevant medium for the target market. Secured and easily accessible technologies to students' remote campus are the latest trend instead of ATMs and fancy branches suitable for the older generation and less appealing to students. The free Wi-Fi access that is common with university campuses could assist in convenient electronic banking rather than focusing on branch locations, which is potentially inaccessible and probably not attractive to students.

Perhaps tertiary students are judged through the lens of adults who have completely different abilities and needs. Even though students have limited or no resources, they still require that the banks cater for their unique needs to be worth having and that the relationship can be kept for longer periods.

The least number of students are satisfied with the service quality they receive from banks. Students are neither satisfied with features, benefits and the period they need to wait before they can be served at the bank branches. Their peers' preferential treatment paying a fraction or no maintenance fees in other countries does not go unnoticed. This means SA students are not only lagging behind, but also they are excluded from accessing services such as loans without the assistance of an adult or someone who is financially independent. They feel the maintenance fees on their accounts are unfair, as they are regularly charged whether or not the account has been utilized. In the absence of alternatives to student accounts, cardless services will continue to grow and so will be the exclusion of university students from banking services.

Offering cardless services is a necessary service, seeing that less and less students maintain a bank

account, however, the service can be self-defeating to both parties and threatens the objective of banking institutions' ability to attract and retain clients, including university students. The current focus of quality service and development may not necessarily be water under the bridge, as long as it can be presented in the manner that is appealing to students distinct from adult products and services. The current banking institutions' format of one size fits all quality dynamics, and upgrades would detract more students than attract them.

6.1. Further studies

Further studies could be undertaken with students in urban universities to assess how account maintenance fees impact on the university students' willingness to maintain bank accounts. Urban areas and branches in big cities usually have above average services benefits resulting from the large market size, collective bargaining power and increased competition. Such collective power is lacking in semi-rural areas such as the one under study.

CONCLUSION

Much as SA's financial and banking markets place more emphasis on credit profile and security to access financial products, few students can provide it. Their level of ignorance regarding credit profile importance in the financial markets is usually exposed when access to financial products is denied, because the students do not have a solid profile. The students may be cushioned by parents and guardians in accessing financial services and products on their behalf. Without the minimum required knowledge, the students would neglect managing their financial obligations or overcommit themselves, thus putting the very parents' and guardians' interest in jeopardy.

Cash transactions are also becoming more and more expensive. Other than being an inconvenience to handle large sums of money, banking services would still be required to acquire expensive resources. The absence of a credit profile would be felt more in post schooling period when the need to acquire expensive items such as properties and cars exists. It would mean students must postpone such acquisitions up until such time that a convincing profile has been created. Alternatively, students will have to settle for unfavorable credit terms, as they will be regarded as high risk clients.

Few students draw a budget which improved in post-intervention in the current study. Less of those who were budgeting stuck to the drawn budget out of those who said they do actually draw a budget. Other factors may be contributing to the students' inability to stick to the budget, a subject that may be elaborated further in another study. The worrying factor is the low levels of saving, meaning there is a lack of motivation to save among the students community. More must be done to improve the willingness to save irrespective of the allowance amount. The banking institutions would hopefully avail incentives that will be worthwhile for the students' effort to save.

RECOMMENDATION

Service costs and desirable product variety is critical for students' attraction and retention to replace obsolete products and their costs. To students, every cent counts thus the benefit of cardless services can be incorporated into formalized bank account holding in order to retain their continued usage. Understanding students' needs will help banks in meeting their expectations for the benefit of both parties (Chigamba & Fatoki, 2011).

The products design must enable students to earn points for meeting obligations timeously, and then qualify for additional products introduced gradually. Credit balances and continued savings need to be incentivized with interest earnings. Maintaining savings over time must also earn additional points to be utilized for favorable bank deals. The example may include higher interest earnings on savings.

Credit utilization such as access to loans and credit-card facilities will have to be introduced gradually, but charged reduced or no interest in order to build students' rapport for greater credit use when they attain financial independence.

If there is any hope of harnessing the student market, banking institutions need to provide attractive, dedicated branch spaces exclusive for tertiary students use, serviced by informed peers who share similar energies and passion. The services need to be delivered faster to cater for students' time constraints, make branch visits fun and favorable for students to find value in fostering lasting relationships with the banks while still studying. The exercise may also serve multiple purposes. Students may find maintaining bank accounts a worthwhile exercise and continue the relationship when they are financially independent. The brand loyalty and bank preference may be passed on to other generations.

The approach can be the banks' powerful marketing tool, as well as a source of reliable updates. The likelihood of keeping students in the service can foster lasting relations and loyalty with a particular bank. The approach would reduce marketing costs which can be used to cushion student cost of maintaining bank accounts.

*Note: Tertiary students in the study refers to products available from the banks generally for students in higher education institutions. University students refers to the population sample in the study.

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APPENDIX A

PRE-TEST: ONE-SAMPLE STATISTICS

	N	Mean	Std. deviation	Std. error mean
I receive my allowance through card-less transaction (E-wallet/ Shoprite /Blue wallet, etc.)	60	1.55	.502	.065
I use cash only to transact as I do not understand how credit works	60	1.48	.504	.065
I cannot keep-up a bank account because it is unaffordable to me	60	1.47	.503	.065
I understand bank account benefit for saving and building credit profile	60	1.48	.504	.065
I draw a budget to guide my spending (break down) monthly	60	1.35	.481	.062
I stick to (follow reliably) the budget according to plan regularly	60	1.43	.500	.065
I usually save a portion of my allowance monthly	60	1.43	.500	.065
I am satisfied with the service quality of banks to students	60	1.53	.503	.065
I am satisfied with the features, benefits and quick services of the banks	60	1.47	.503	.065
I trust that the banks have best financial products and safe electronic access services.	60	1.45	.502	.065
I would prefer banks to have transparency and reliability in financial transactions and in other services	60	1.52	.504	.065
Bank charges for different services are fair	60	1.48	.504	.065

POST-TEST: ONE-SAMPLE STATISTICS

	N	Mean	Std. deviation	Std. error mean
I receive my allowance through card-less transaction (E-wallet/ Shoprite /Blue wallet, etc.)	55	1.38	.490	.066
I use cash only to transact as I do not understand how credit works	55	1.45	.503	.068
I cannot keep-up a bank account because it is unaffordable to me	55	1.51	.505	.068
I understand bank account benefit for saving and building credit profile	55	1.58	.498	.067
I draw a budget to guide my spending (break down) monthly	55	1.56	.501	.067
I stick to (follow reliably) the budget according to plan regularly	55	1.56	.501	.067
I usually save a portion of my allowance monthly	55	1.55	.503	.068
I am satisfied with the service quality of banks to students	55	1.51	.505	.068
I am satisfied with the features, benefits and quick services of the banks	55	1.40	.494	.067
I trust that the banks have best financial products and safe electronic access services	55	1.62	.490	.066
I would prefer banks to have transparency and reliability in financial transactions and in other services	55	1.47	.504	.068
Bank charges for different services are fair	55	1.47	.504	.068

ONE-SAMPLE TEST

	T	df	Sig. (2-tailed)	Mean difference	95% confidence interval of the difference	
					Lower	Upper
I receive my allowance through card-less transaction (E-wallet/ Shoprite /Blue wallet, etc.)	20.901	54	.000	1.382	1.25	1.51
I use cash only to transact as I do not understand how credit works	21.466	54	.000	1.455	1.32	1.59
I cannot keep-up a bank account because it is unaffordable to me	22.183	54	.000	1.509	1.37	1.65
I understand bank account benefit for saving and building credit profile	23.566	54	.000	1.582	1.45	1.72
I draw a budget to guide my spending (break down) monthly	23.169	54	.000	1.564	1.43	1.70
I stick to (follow reliably) the budget according to plan regularly	23.169	54	.000	1.564	1.43	1.70
I usually save a portion of my allowance monthly	22.808	54	.000	1.545	1.41	1.68
I am satisfied with the service quality of banks to students	22.183	54	.000	1.509	1.37	1.65
I am satisfied with the features, benefits and quick services of the banks	21.000	54	.000	1.400	1.27	1.53
I trust that the banks have best financial products and safe electronic access services	24.476	54	.000	1.618	1.49	1.75
I would prefer banks to have transparency and reliability in financial transactions and in other services	21.677	54	.000	1.473	1.34	1.61
Bank charges for different services are fair	21.677	54	.000	1.473	1.34	1.61

CASE PROCESSING SUMMARY – POST INTERVENTION

	Cases				
	Valid		Missing		Total
	N	Percent	N	Percent	N
I receive my allowance through card-less transaction (E-wallet/ Shoprite /Blue wallet, etc.) * I cannot keep-up a bank account because it is unaffordable to me	55	100.0%	0	0.0%	55

I receive my allowance through card-less transaction (E-wallet/ Shoprite /Blue wallet, etc.) * I cannot keep-up a bank account because it is unaffordable to me

Cross-tabulation

		Count		
		I cannot keep-up a bank account because it is unaffordable to me		Total
		Yes	No	
I receive my allowance through card-less transaction (E-wallet/ Shoprite /Blue wallet, etc.)	Yes	8	15	23
	No	18	14	32
Total		26	29	55

CHI-SQUARE TESTS

	Value	df	Asymptotic significance (2-sided)	Exact sig. (2-sided)	Exact sig. (1-sided)
Pearson Chi-Square	2.474a	1	.116		
Continuity Correction ^b	1.688	1	.194		
Likelihood Ratio	2.502	1	.114		
Fisher's Exact Test				.172	.097
Linear-by-Linear Association	2.429	1	.119		
N of Valid Cases	55				

Note: a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 10.87; b. computed only for a 2x2 table.

CASE PROCESSING SUMMARY

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Bank charges for different services are fair * Bank incentives are more and reasonable for students accounts	55	100.0%	0	0.0%	55	100.0%

Bank charges for different services are fair * Bank incentives are more and reasonable for students accounts Cross tabulation

Count				
		Bank incentives are more and reasonable for students accounts		Total
		Yes	No	
Bank charges for different services are fair	Yes	6	14	20
	No	20	15	35
Total		26	29	55

CHI-SQUARE TESTS

	Value	df	Asymptotic significance (2-sided)	Exact sig. (2-sided)	Exact sig. (1-sided)
Pearson Chi-Square	3.762a	1	.052		
Continuity Correction ^b	2.752	1	.097		
Likelihood Ratio	3.844	1	.050		
Fisher's Exact Test				.091	.048
Linear-by-Linear Association	3.693	1	.055		
N of Valid Cases	55				

Note: a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 9.45; b. computed only for a 2x2 table.

CASE PROCESSING SUMMARY

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
I receive my allowance through card-less transaction (E-wallet/ Shoprite /Blue wallet, etc.) * I cannot keep-up a bank account because it is unaffordable to me	60	100.0%	0	0.0%	60	100.0%

I receive my allowance through card-less transaction (E-wallet/ Shoprite /Blue wallet, etc.) * I cannot keep up a bank account because it is unaffordable to me

Cross-tabulation

		Count		
		I cannot keep-up a bank account because it is unaffordable to me		Total
		Yes	No	
I receive my allowance through card-less transaction (E-wallet/ Shoprite /Blue wallet, etc.)	Yes	13	15	28
	No	18	14	32
Total		31	29	60

CHI-SQUARE TESTS

	Value	df	Asymptotic Significance (2-sided)	Exact sig. (2-sided)	Exact sig. (1-sided)
Pearson Chi-Square	1. 744a	1	. 161		
Continuity Correctionb	1. 886	1	. 419		
Likelihood Ratio	2. 025	1	. 411		
Fisher's Exact Test				.127	. 907
Linear-by-Linear Association	2. 294	1	.191		
N of Valid Cases	60				

Note: a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 11.087; b. computed only for a 2x2 table.

CASE PROCESSING SUMMARY

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Bank charges for different services are fair * Bank incentives are more and reasonable for students accounts	60	100.0%	0	0.0%	60	100.0%

Bank charges for different services are fair * Bank incentives are more and reasonable for students' accounts Cross-tabulation

		Count		
		Bank incentives are more and reasonable for students accounts		Total
		Yes	No	
Bank charges for different services are fair	Yes	11	14	25
	No	20	15	35
Total		31	29	60

CHI-SQUARE TESTS

	Value	df	Asymptotic Significance (2-sided)	Exact sig. (2-sided)	Exact sig. (1-sided)
Pearson Chi-Square	2.162a	1	.152		
Continuity Correctionb	1. 527	1	.071		
Likelihood Ratio	2. 484	1	.041		
Fisher's Exact Test				.019	.084
Linear-by-Linear Association	2. 936	1	.065		
N of Valid Cases	60				

Note: a. 0 cells (0.0%) have expected count less than 5. The minimum expected count is 9.45; b. computed only for a 2x2 table.