

Exploring the theories, determinants and policy-options of street vending: a demand-side approach

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Abstract

Street vending has been a common feature of urban centres for several decades, with a relatively high proportion of developing countries' populations depending on it for employment, income or survival. Taking a supply-side approach, studies have shown that urban planners' responses to street vending have followed the modernism **theory**. In this paper, we take a demand-side (buyer-focused) approach to study**ing** street vending, which to date has received little attention from the academic community. Employing data from Lagos state, Nigeria, we report four explanations underpinning the demand-side of street vending: formal economy failures, social/redistributive, financial gains, and multifeature. These are, in turn, explained by individuals' marital status, level of education, and perception. Our findings highlight the need for urban planners to embrace pragmatic policies in addressing these demand-side drivers of street vending and use of urban space, rather than criminalising its actors.

Keywords

Street vending, hawkers, demand-side, emerging market, theories, determinants, policy

Introduction

Street vendors, a major sub-group within the informal economy¹, are individuals or 'smallbusiness entrepreneurs, generally own-account or self-employed', who engage in manufacturing and/or street-trading of 'legal or socially acceptable goods and services', particularly in mobile forms, fixed or semi-fixed stalls, public/private spaces, whether regulated or otherwise; 'thus [flouting] either business regulation, planning codes or other legal requirements.' (Onodugo et al., 2016; Brown et al., 2010:667; Basinski, 2009; Cross, 2000). They play important roles in the urban economy by manufacturing and/or selling essential and unique goods and services at relatively cheap prices and convenience to consumers (Martinez et al., 2017; Wongtada, 2014). In developing countries, street vending constitutes around three-quarters of small and medium scale enterprises (SMEs), provides employment, income or survival-means for a relatively high proportion of the urban population, it alleviates poverty, and offers flexibility and autonomy to those engaged in it (Onoduga et al., 2016; Maneepong and Walsh, 2013; Brown et al., 2010; Skinner, 2008:30; Cross, 2000). However, corresponding policies are 'ambivalent' (Xue and Huang 2015:156), ranging from support for street vendors, accommodation, through to the repression of street vendors. Specific to the latter, street vending has been criminalised in many cities, including Lagos, Nigeria, the subject of this study. Underpinning a repressive policy approach is the modernisation or urbanisation theory. Here, vendors are seen as a nuisance, disrupting urban

¹ The informal economy is defined as having 'three elements: informal employment (those doing informal-type jobs, regardless of location/enterprise[-type]); employment in the informal economy (those working in informal sector enterprises, regardless of job-type); and all legal activities that contribute to GDP, but not captured by official statistics, for various reasons' (Igudia *et al.*, 2016:154). Informal employment is 'divided into two types: informal waged employment and self-employment' (Huang *et al.*, 2017:3). Street vendors are a type of 'informal self-employment' (ibid).

planning and traffic, and carrying out criminal activities in the urban centre (Xue and Huang, 2015; Crossa, 2008). Thus, accompanying policies focus mostly on deterrence, with harsh punishments for street vendors carrying out legitimate economic activities (Crossa, 2008; Cross, 2000).

In recent years, however, crackdowns on vending have started to focus on patrons. For example, in 2016, the government of Lagos state, Nigeria started implementing a law that prosecutes both vendors *and* their patrons. To date, however, little is known about the motives for patronising street vendors, as few studies explore the motives for buying vended products – Culiberg and Bajde (2014) and Williams and Martinez-Perez (2014). Specific to Nigeria, no such study exists. We contribute to the theoretical and empirical literature by employing data collected from Lagos state, Nigeria to investigate, first, the motives for patronising street vendors; and, thereafter, respondents' perceptions and socioeconomic-demographic attributes relating to these motives.

The study is underpinned by the assertion that vending thrives only when there are buyers of hawked goods/services. Thus, having full information about vendors' patrons is as important as information on street vendors. In focusing on the former, this paper undertakes a critical analysis of the three main theories on buying from street vendors: financial gains (FG), social redistribution (SR), and formal economy failures (FEF). From this we derive our research questions: what factors influence the decisions of individuals to buy goods/services from street vendors rather than a formal shop? What are the characteristics of these patrons? What is the best policy option following the evidence from this study? To answer these questions, we set up seven hypotheses based on theory and test them in our specific context. Specifically, we employ data collected from 160 individuals in Lagos state, who have bought products from street vendors. Throughout this paper, the terms street 'vendors' and 'hawkers' or 'hawking and vending' are used interchangeably.

authors.

The remainder of the paper is structured as follows. Next, we present the background to the study, then we review the literature analysing the demand-side of street vending. This is followed by methods, results and discussion, and conclusions.

Background to the study

The literature is replete with theories explaining street vending and the informal economy (for example, see Huang *et al.*, 2017; Skinner, 2008; Maloney, 2004; Cross, 2000; De Soto, 1989; Hart, 1973)². Most, however, focus on the supply-side. To avoid replicating these widely-discussed studies, we focus attention here on the modernism theory. This addresses the repression (or criminalisation) of street vending, hence is particularly relevant to our paper. In the next section, we move on to present a critical review of demand-side theories, this paper's primary focus.

In this paper, modernism (Scott, 1998) explains state/urban planners' hostile response to street vending. Modernism argues that, in relation to vending, an investment-friendly urban centre with a good-looking image is prioritised; consequently, urban planners illegalise and crackdown on vending because vendors are seen as irritants who make the urban centre unattractive to investors (Onodugo *et al.*, 2016; Bromley and Mackie, 2009; Crossa, 2008; Swanson, 2007). Cross (2000:30) sums it up this way, 'Modernism often implied crackdowns on street vendors because of the ideals of public order and state control'.

² The dualist, neo-marxist, legalist, voluntarist, modernisation, structuralist, excessive state regulations, neoliberal and postmodernism theories have been discussed extensively by these

The modernism view underpins policy responses to street vending in many countries. Laws prohibiting street vending have been implemented in Lagos, Nigeria (Roever and Skinner, 2016). Similar laws, violent evictions and harassment of vendors have been reported in Zimbabwe, Ghana, Hong Kong, Mexico City, and South Africa (Roever and Skinner, 2016; Tibaijuka, 2005; Cross, 2000). Specific to Lagos, the *street trading and illegal market* (*prohibition*) *law* (1984; 1996; 2003) prohibits and potentially criminalises street vending. Beyond confiscating vendors' wares, the Law specifies a jail term of between six and twelve months or a fine of between ninety thousand Naira [US\$671.89]³ and one hundred and eighty thousand Naira [US\$1,343.78] for offenders. Street venders typically do not have money to pay these fines, thus spending up to 12 months in jail becomes the *de facto* penalty for vending on Lagos streets.

Further, the same law potentially criminalises buying from street vendors. Offenders are fined ninety thousand Naira and/or sent to prison for six months. The Lagos state government's justification for implementing these laws is based on the modernism argument: clearing environmental nuisance, security threats to citizens, and projecting a good-looking image of the state (Lawanson and Omoegun, 2018; Xue and Huang, 2015; AFP, 2016). Clearly, in the policy makers' view, street vending is unwanted in the Lagos ultra-modern, megacity project (Lawanson and Omoegun, 2018; Basinski, 2009), because, as nuisance, it distorts the urban centre and violates land use acts, state laws, and labour regulations (Adedeji *et al.*, 2014; Wongtada, 2013; Cross, 2000). Consequently, street vending must be stopped/banned.

Enforcing a ban on street vending has, however, led to violent evictions of, and assaults on, vendors in Lagos. Even so, there are doubts about the success of such policies. Specifically,

³ Using average of 2003 daily Naira-US Dollar exchange rate: US\$1.00 to NGN133.95 (obtained from the Central Bank of Nigeria website)

readings in Cross (2000), Basinski (2009) and Crossa (2016) show that policies promoting violent evictions of street vendors are often unsuccessful. This creates a situation that can best be described as a hide and seek game. Street vendors continue to operate, but cautiously, to avoid detection by law enforcement officers (sell when the latter are out of sight but run/hide when visible). We were told during fieldwork that street vendors now give 'signals' or make telephone calls to each other to avoid capture by law enforcement officers. Thus, despite the ban, street vending has not stopped in Lagos (Basinski, 2009). We may find explanations in historical, supply, demand and socioeconomic factors. These (except demand, discussed in a later section) are discussed next, after we present some facts about Lagos.

With a population of around 15 million people, Lagos state is the largest commercial centre in Nigeria and one of the fastest growing cities in the world (Basinski, 2009). Nigeria is the most populous country in Africa with over 185 million people, a 2016 urban-population growth rate of 4.3 per cent, and arguably Africa's largest economy with 2014 current GDP of US\$568.50 billion (World Bank, 2018). Lagos contributes 32 per cent and 65 per cent to Nigeria's GDP and VAT receipts, respectively. Contributing to Lagos is a significant informal economy, which provides employment for about 70 per cent of Nigerians, and 'street vendors are the most visible manifestation' of this (Basinski, 2009:3).

As for the factors responsible for its importance, historically, street vending in Lagos has been influenced by multiple factors: migration, fluctuating income levels, heavy vehicular traffic-congestion (which is responsible for a loss of three hours travelling time daily and which has entrenched a culture of commuting-shopping), and inadequate urban planning – all of which have become synonymous with a densely populated Lagos (AFP, 2016; Basinski, 2009; Gandy, 2006). As Nigeria's former capital city, Lagos attracts domestic and foreign migrants, but with limited formal-sector jobs available, these immigrants often turn to vending to survive (Lawanson and Omoegun, 2018; Basinski, 2009). Also important are

Nigeria's economic crises of the 1980s, the resulting structural adjustment programme (SAP) which pushed many into the informal economy, with national policy makers' hoping to stimulate Nigeria's growth through the informal economy (Igudia *et al.*, 2016; Meagher and Yenusa, 1996). However, the three tiers of government tend to pursue different, even conflicting, agendas. While local authorities grant/sell operating-rights to street vendors, the State government, through law enforcement officers, repress and arrest vendors, confiscating their wares (Basinski, 2009). The federal government, meanwhile, views the informal economy as a potential catalyst for economic growth.

On the supply-side, factors such as migration, limited formal sector job-opportunities, and a high population growth rate are responsible for the growing size of street vending in Lagos (Hyde, 2018; Igudia *et al.*, 2016). Additionally, the government's inconsistent modernisation policies have led to the repeated demolition of existing markets with former owners, priced out of the new stores/markets, turning to street vending (Lawanson and Omoegun, 2018; The Guardian, 2016). As such, Lagos' street vendors, whilst heterogeneous in terms of age, gender, marital status, educational attainment, and product-offerings, share a common denominator in that they engage in street vending because there is no alternative (Hyde, 2018; AFP, 2016; Basinski, 2009). Thus, people with(out) formal education, adequate skills/training, unable to find formal-sector jobs or secure a permanent shop location, are left with the option of vending (selling food, non-food, drinks, groceries, mobile phones/data, books, hard-/soft-ware, shoe-shine services, etc) for subsistence returns, to pay rent and their, or their childrens', school fees (The Guardian, 2016; AFP, 2016; Basinski, 2009).

Finally, socioeconomic and demographic factors influence participation in the informal economy, with diverse results reported in the literature. A relatively higher proportion of women, individuals with a low level of education, low skills, low wages/income, and a high level of poverty, operate in the informal economy (Verick, 2006; Becker, 2004; Schneider *et*

al., 2001; ILO, 1972). Specifically, more women than men participate on the demand-side (Sookram and Watson, 2008); buying from street vendors in the search for lower prices (Williams and Martinez-Perez, 2014). Conversely, some studies find that higher education attainment and higher wages/income lead to higher participation in the informal economy (for example, see Sookram and Watson, 2008). Although, Sookram and Watson reported these results without offering any explanation, the tax and informal economy literature has shown that fiscal knowledge acquired from higher levels of education leads to tax avoidance or evasion, hence increased participation in informality (Helhel and Ahmed, 2014). The literature is also inconclusive on participants' age (Sookram and Watson, 2008), although Williams and Martinez-Perez (2014) find that younger and older people buying from vendors are motivated by lower prices and formal economy failures, respectively. Marital status influences demand-side participation (Schneider et al., 2001), but cohabiting or divorced people with children buy from street vendors for their lower prices (Williams and Martinez-Perez, 2014). Specific to Lagos, Basinski (2009) show that street vendors are typically aged between twelve and sixty-six, are at least secondary school graduates, largely women, married with children, self-employed, work long hours, but earn different levels of wages.

These mixed results demonstrate that multiple factors explain street vending participation. Laws prohibiting and criminalising it are short-term, sub-optimal fixes, which leave root-causes unaddressed. There is thus an urgent need for more studies in this area, especially on the demand side which has thus far received little attention to determine the full nature of those root causes.

Explaining street vending – a demand-side approach

Studies on the demand-side of street vending are few, but Williams and Martinez-Perez (2014) and Culiberg and Bajde (2014) are among the exceptions. Our paper builds on both

studies. We explore, apply and extend the three demand-side theories defined by Williams and Martinez-Perez (2014): the financial gains (FG), social/redistributive (SR), and formal economy failures (FEF) explanations. Also, we adapt 'perception' from Culiberg and Bajde (2014) and explore its role in furthering our understanding of these theories. Whereas Culiberg and Bajde studied individuals' personal moral and perception about consumption tax evasion, we take a broader look by exploring the links between motives and perception. Specifically, following Sookram and Watson (2008) and William and Martinex-Perez (2014) we employ theories, perception and (socio)economic variables to investigate the demand-side of street vending.

The FG explanation covers buying from vendors on rational grounds. Beyond the low-income population (Martinez *et al.*, 2017) and the rich in poor neighbourhoods (Cross, 2000), FG theory argues that individuals patronise street vendors because of anticipated/calculated financial gains. They carry out a cost-benefit or 'risk-reward' analysis of their options, then break 'the law[, patronise vendors] when the expected penalty and probability of detection are smaller than the profits' (Williams and Martinez-Perez, 2014:803; Sookram and Watson, 2008). This plausibly explains the resilience of street vending in Lagos, despite laws criminalising it. Basinski (2009) shows that Lagos vendors are ready to take risks, vend and face the consequences, since they have no alternative source of livelihood. Conversely, people with dependent children buy from vendors to save money (Williams and Martinez-Perez, 2014). Further, following Martinez *et al.* (2017), it appears that people patronise vendors in Lagos because they are poor and earn a low-income⁴. With 87 million Nigerians (44.3% of Nigeria's population) living in extreme poverty, weak GDP growth (0.8% in 2017), rising unemployment (highest among youths and graduates), and wages of less than

⁴ Meagher and Yunusa's, 1996, note that working-class income affects the demand-side of the Nigerian informal economy.

two dollars a day for those in employment (NGN18,000 or US\$59, monthly-minimum wage)⁵ (WPC, 2018; Kharas *et al.*, 2018), buying cheaper products from street vendors offers most Nigerians an opportunity to save.

Hypothesis (H1). The financial gain motive drives individuals to buy products from street vendors

For its part, the SR rationale follows a post-structuralist perspective of the informal economy. It argues that individuals purchase goods/services from street vendors to build or enhance social relations and ties such as kin, pursue social and redistributive purposes (Round and Williams, 2008), resist anti-social practices (e.g., corruption) and the exploitation of workers in the neo-liberal economic system (Biles, 2009; Whitson, 2007), or support environments where individuals can transform work identity or discover their true selves (Williams and Nadin, 2010). Here, 'participants in informal markets [are seen] as social actors [and not] economic actors' (Williams and Martinez-Perez, 2014:803). For example, during fieldwork some participants told us they patronise street vendors out of 'pity'; to 'help or support' them. SR is better understood when Nigerian peoples' culture of close family kinship is considered. A popular mantra is 'be your brother's keeper'; literally interpreted, care for others. Buying products from kin operating as vendors can be a way of showing commitment to kinship, even beyond family to include members of the same religion, business associates, and friends.

Hypothesis (H2). Social/redistributive motives drive individuals to patronise street vendors

According to the FEF explanation, individuals patronise street vendors because of the

'failures of the formal economy' including delays in the provision, 'lack of availability and

⁵ Using CBN published exchange rate (NGN305.00:US\$1.00) as@20/08/2018

reliability', and the 'quality', of formal firms' goods/services (Williams and Martinez-Perez, 2014:803; see also Biles, 2009; Maloney, 2004; De Soto, 1989). Typically, vendors make it possible for individuals to have easy and quick access to goods/services, irrespective of location and time. Specific to Lagos, FEF arises from inadequate urban planning and infrastructural development, high population density and regular traffic congestion (Basinski, 2009; Gandy, 2006). Commuters have responded to these failures by shopping in traffic which, unlike supermarkets, is available, accessible and convenient (Hyde, 2018; Hanafi, 2018; Basinski, 2009). Thus, unlike commuters shopping online in advanced countries, commuters in Lagos do their shopping from street vendors. Further, multinational enterprises (MNEs) in Nigeria's telecommunications industry (e.g., MTN) and food and beverages industry (e.g., UAC foods) have modelled their business around vending, as their products are mostly sold on the street (The Guardian, 2016; Neuwirth, 2011).

Hypothesis (H3). The unavailability of products in the formal market, and/or the informal economy's faster or better-quality service, drives individuals to buy from street vendors.

In a study of the determinants of the informal economy, Sookram and Watson (2008) report the strong influence of *perception*. Similarly, in applying and extending 'Jones's issue contingent model', Culiberg and Bajde (2014) report the strong influence of 'moral philosophy and perception', and that perception influences moral judgement and intentions. Trivedi *et al.*, (2003) observe that individuals' moral reasoning, value orientation, and social and political environments influence their perceptions. We accept these narratives and argue that respondents have formed perceptions based on their moral reasoning, orientation and experiences regarding Lagos street vendors/vending and government policy. This justifies our decision to investigate how their perception relates to their motives for patronising vendors.

Hypothesis (H4-7): The stronger the perception that:

H4: 'hawkers are poor, disadvantaged', the higher is the incentive to patronise on SR grounds

H4b. 'hawking is helpful to hawkers', the higher is the incentive to patronise street vendors

H5. 'hawkers pay no tax', the higher the incentive to patronise them on FG grounds.

H6. 'hawkers pay multiple fees', the higher the incentive to patronise them on FEF/SR grounds

H7. 'Government overregulates, disturbs hawkers', the stronger the incentive to patronise street vendors

Methods

We employ data collected in a two-stage process between May and August 2017 from vendors' patrons in Lagos, Nigeria. In addition to gaining empirical support (Reddy *et al.*, 2003; William and Round, 2009; Arimah, 2011), our sampling methods are the best, practicable option for this study. First, it ensures the data collected cover a wide range of geographical areas and are representative of the true population, considering the huge cost and time required to cover the entire population. Secondly, considering the spate of kidnappings in Nigeria at the time, it was a realistic and practical way of gaining respondents' trust in collecting the required information. Thirdly, avoiding a house-to-house survey gave respondents additional comfort and reduced any suspicion that they could be traceable (also see footnotes 7, 11).

In stage one, we employed a 'street-by-street survey' (Reddy *et al.*, 2003:137), with a spatial random sampling method (Williams and Round, 2009). The former involves administering a survey instrument to members of the public who cooperate, whilst the latter involves

selecting every alternate location and participant for sampling (see Igudia *et al.*, 2016). Thus, we went to business premises/workshops, public places, and bus terminals to select every alternate adult that was willing to complete our questionnaire, and where an individual declines, the next person is sampled and the one after is skipped. We listed in alphabetical order the 'ten (10) most well-established street vending locations in Lagos state' (Anetor, 2015:36)⁶. Then, we selected randomly for the survey, the following five, starting with the second, then every alternate location: Ajah, Iyana-Ipaya, Mile2, Orile and Yaba. We administered 120 questionnaires at each location, generating 600 completed responses. However, not all were usable.

In Stage two, we employed other criteria to select from the 600 responses. This involved a purposeful selection, where only participants that answered yes to the question 'have you ever bought a good or service from a street hawker' were selected (Williams and Martinez-Perez, 2014 employed a similar question in their study). This yielded a total of 160 (out of 600) relevant responses, employed in this study. The extra step was taken to ensure the information used in the study is from respondents who have bought from street vendors, in line with the aim of this study.

To help administer the questionnaire, three indigenous assistants, who recently completed their secondary school education and who spoke the native Yoruba language, were recruited and trained. Training the administrators to avoid leading answers was part of our efforts to reduce interviewer bias. To check their understanding of the process, they administered an early version of the questionnaire to thirty people. Feedback from the pilot study influenced the design of the final questionnaire. For example, we changed some words in the survey

⁶ These are Agege, Ajah, Berger, Iyana-Ipaja, Maryland, Mile2, Obalende, Orile, Oshodi, and Yaba

instrument: 'vendor/(ing)' to 'hawker/(ing)'. Further, employing administrators improved the quality and quantity of data we were able to gather, as the assistants helped to debunk suspicion about the survey⁷.

We collected information on respondents' age, gender, education, marital status, income, employments/business-enterprises, participation in street vending, perception, and reasons for buying from street vendors (but no question on why they sell; this has been addressed in the literature). To ensure response consistency and mitigate problems associated with surveying the informal economy, some questions were repeated, but worded differently. To reduce biases associated with collected opinions, both open- and closed-ended questions were employed (see Huang, *et al.*, 2017; Iyenda, 2005)⁸. For example, we asked 'why did you patronise street hawkers?' without offering any suggestion of possible reasons⁹. Interestingly, responses to this question extend the literature, because cited motives for patronising street vendors in Nigeria were not only consistent with literature-defined theories (FEF, FG and SR), but also a new, fourth explanation emerged. We term this the *multifeature motive*. ¹⁰

⁷ Some respondents were suspicious of the purpose of the survey, as they thought that the Lagos state government commissioned it to get information on street vendors and patrons.

⁸ Reja *et al.*, 2003 & Geer, 1991, note that open-ended questions generate genuine concerns, spontaneous and unbiased responses, and reduce biases arising from researchers' suggestions.

⁹ Bias may arise from coding and analysing responses to open-ended questions. To reduce this bias we, first, noted all the different words used by respondents, then we grouped the words into similar themes. For the question above, seventeen different words were used, but many of the words mean the same thing: (e.g., 'save time', 'quick', 'fast'); ('reduce cost', 'cheaper than shop', 'save money'). Through thematic analysis, we were able to give the same code to words/sentences expressing the same meaning. (See Table 3).

¹⁰ We show in the discussion of Table 3, especially the last paragraph the justification for introducing *multifeature* as a stand-alone motive.

Finally, we employ multinomial logistic regression to determine the attributes of these four explanations. Multinomial logistic regression is appropriate for analysing data employed in this study; specifically, a nominal dependent variable, with multiple categorical and ordinal explanatory variables (Williams and Martinez, 2014; Sookram and Watson, 2008). The key question we seek to answer is, what factors, attributes or characteristics relate to motives for buying from street vendors? Our hypotheses, formulated to answer the question, are based on existing theory and literature: H1-H3 follow Williams and Martinez-Perez (2014); H4-H7 follow Sookram and Watson (2008) and the evidence from the wider literature on factors influencing vending patronage. Finally, we test for internal consistency, reliability of variables survey instrument and achieve an acceptable Cronbach alpha coefficient of over 0.7 (Table 1).

Results and Analysis

Cronbach's reliability test results are presented in Table 1 (for full-detailed results, see extended appendix). Following Field's (2005) suggestions, a Cronbach's alpha of 0.7 or more (as reported here: 0.712 and 0.858) is acceptable. We are therefore confident that the variables used in this study are consistent and reliable.

[Insert Table 1 here]

We present in Table 2, respondents' demographics and some important descriptive statistics. With 51.2 per cent and 48.8 per cent for men and women respectively, both genders are reasonably represented in this study. Although the highest proportion of participants is age

26-30, respondents were drawn across all ages of the active labour force in Nigeria. Participants are relatively educated, with the highest proportion (40.6%) having secondary school education (SSE), although 12.5 per cent of participants have no formal education at all.

[Insert Table 2 here]

About half (49.4%) of respondents are self-employed. The rest either own/run a business alongside their main employment (13.2%) or in full-time employment (18.1%). The highest proportion (41.3%) of respondents carry out home services (gateman, laundry, plumber, electrician) or pure services (mechanic, hair dressing, tailoring, repairs). Next is the proportion of respondents who trade (36.4%). Comparing genders, the highest proportion (33.3%) of female respondents engage in petty/kiosk trade, followed by home/pure service (29.5%), then professionals (19.5%). For male participants, the highest proportion (43.9%) provides home/pure services, followed by trade (31.7%), then professionals (20.7%). Further, about three quarters of respondents whose main jobs/businesses are home/pure services provision (74.1%) and sales/trading (76.9%), have been involved in the supply-side of hawking, in contrast with a third of professionals (34.4%) who have been involved as vendors.

Reasons for patronising street hawkers in Nigeria – a demand-side approach

Responses to the following open-ended question are depicted in Table 3: Why did you patronise street hawkers? (This gains empirical support from Huang *et al.*, 2017). With just over half (53.3%) of respondents patronising street vendors because they provide accessible,

fast and reliable goods/services, the FEF explanation is clearly the strongest rationale for patronising street vendors in Lagos, Nigeria. This is followed by the FG rationale, with just above one-tenth (12.5%) of respondents; split between 'cheaper than their cost in shop' (10.5%) and 'save on expenses, reduce cost' (2%). Finally, with around one-tenth (9.8%) of respondents (split between 'networking' (2.6%) and 'help hawkers' (7.2%)), the SR rationale is confirmed as the third main motive for patronising vendors in Lagos. These results confirm hypotheses 1-3.

[Insert Table 3 here]

However, a unique, fourth motive for patronising street vendors emerged from the results. We call it the *multifeature motive*, with 24.3 per cent of respondents patronising vendors 'to make easy income or sales' (13.8%) and 'to reduce stress, survive or do the only job known' (10.5%) (Table 3). With the *multifeature motive*, respondents patronise street vendors for two reasons: to buy and to sell. They buy from street vendors to build a network of customers, which they in turn 'make quick sales [to, in order to] reduce stress and survive in the only job/business I know' (respondents' words). Further, *multifeature* leverages on the three main motives to build its unique identity: individuals want FG because patronising street vendors provide them with the platform to get quick and reliable money/income; they build a network of people (SR), who in turn become a stream of customers to whom they make quick sales; and they patronise street vendors because there are FEF, which they want to avoid, as this 'creates lot of stress' (respondents' words) for them. Thus, *multifeature*-participants reduce the survival-related stress created by FEF, by participating in both the supply- and the

demand-side of vending. Further, *multifeature*-participants suggest that the informal economy/street vending is self-sustaining.

Finally, the *multifeature* rationale is different from the three-main explanations (FEF, FG, and SR) because of the core-intentions of individuals in this category: ultimately to sell, having started by buying from existing vendors. As depicted in Table 3, the words used by respondents categorised as multifeature relate to the supply-side, whilst words describing the three-main theories relate to the demand-side, of street vending. For example, FEF respondents use such words as 'accessible', reliable', 'save time', whilst such words as 'quick money', 'reliable money', 'easy sales' were used for multifeature. Similarly, FG involves words such as 'cheaper', 'better than shop', 'save expenses', 'less costly', whilst multifeature uses 'reduce stress', 'survival', 'only job known'.

Attributes explaining the demand-side theories of street vending

The results in Table 4 show that four perception and two demographic/socioeconomic variables are statistically important. Two perception variables, 'hawkers are poor/disadvantaged' and 'hawking is helpful to hawkers', measure perceptions of street vendors/vending, whilst the other two, 'hawkers pay multiple fees' and 'hawkers pay no tax', measure perceptions of urban policy and tax respectively. Marital status and education level are the relevant demographic/socioeconomic variables, implying gender and age are statistically non-significant¹¹. So too is the variable 'government overregulates, disturbs

¹¹ Income is excluded from this study, as responses to the income question appear inaccurate and inconsistent. Although, not without precedent (Arima, 2011, observed research participants often do not give accurate answers to questions relating to their income), at the time we conducted the fieldwork, the spate of kidnappings in Nigeria was at an all-time high. Hence, there was a general lack of trust, which limited the quantity and quality of incomerelated information we were able to gather.

hawkers', implying that regulatory burden, a key determinant of supply-side and dual (supply and demand) participation in the street vending/informal economy (Sookram and Watson, 2008; Maloney, 2004; De Soto, 1989) is not a relevant determinant of demand-side participation. This is consistent with the findings of Sookram and Watson (2008:1541) that 'excessive government regulation' does not 'encourage participation' on the demand-side of the informal economy, but it does encourage 'dual participation'.

[Insert Table 4 here]

With both the Likelihood ratio (75.8) and Chi-square (114.49) significant at the 1 per cent level, and a Pseudo-R² of 0.80, these six variables capture 80 per cent of the factors explaining respondents' motives for patronising street vendors in Nigeria. The sign of an attribute demonstrates how it explains a theory/motive, relative to the referenced theory/motive. Where positive (negative), the compared theory is more (less) likely than the referenced theory to be plausible. Next, we undertake a detailed presentation of results in Table 4.

Formal economy failures (FEF): relative to singles, married people are less likely to buy products from vendors for FEF than the FG motive. Compared to those with a degree, individuals with the lowest levels of educational attainment (SSE and below) are less likely to buy from vendors for FEF than the FG motive. Individuals who disagreed with the statements 'hawkers are poor and disadvantaged' and 'hawkers pay multiple fees' are more likely to buy from vendors for FEF than the multifeature motive. Conversely, individuals who disagreed

with the statement, 'hawking is helpful to hawkers' are less likely to buy from street vendors for FEF than the multifeature motive.

Social redistributive rationale (SR): individuals with an intermediate level of education (above SSE but below BSc/degree) are less likely to buy products from street vendors for multifeature rather than SR reasons. Also, individuals who disagreed with the statement, 'hawkers pay no tax' are less likely to buy from vendors for SR than the FG motive.

Financial gains explanation (FG): relative to singles, married people are more likely to buy products from street vendors for FG than multifeature and FEF motives. Relative to BSc/degree, individuals with the lowest levels of educational attainment (SSE and below) and intermediate-level educational attainment are respectively less likely to buy from vendors for FEF and multifeature motives than the FG motive. Individuals who disagreed with the statement 'hawking is helpful to street hawkers' are less likely to patronise vendors for FG than the multifeature motive. Those who disagreed with the statement 'hawkers pay no tax' are less likely to buy from vendors for SR and multifeature motives than the FG motive.

Multifeature explanation (MF): Relative to singles, married people are less likely to buy products from street vendors on the basis of multifeature than the FG motive. Relative to the highest educational levels, individuals with intermediate-level educational attainment are less likely to buy from vendors for multifeature than SR and FG motives. Individuals who disagreed with the statements 'hawkers are poor and disadvantaged' and 'hawkers pay multiple fees' are less likely to buy from vendors for multifeature than FEF motives. Conversely, individuals who disagreed with the statement, 'hawking is helpful to hawkers' are more likely to buy from vendors for multifeature than FG and FEF motives.

Finally, we present in Table 5, a summary of the unique attributes of these motives. One may view the multifeature motive as a reflection of the other three motives since it leverages on

them. However, as discussed above results in Table 5 clearly show that multifeature has a unique identity.

[Insert Table 5 here]

Further Discussion

Individuals who cite FEF as a motive for buying goods/services from street vendors are likely to be single and highly educated. The government's failure to plan and solve traffic-congestion problems (FEF) cause young professionals to patronise street vendors since vendors are available and accessible. For example, to avoid getting to work late, young professionals leave for work at least two hours early, and since they work Mondays to Fridays, they do not have time to shop at supermarkets. Thus, they patronise street vendors for their daily food (e.g., snacks, drinks) and non-food (e.g., mobile phones/data, hard/software) needs, as their only option (Hanafi, 2018; AFP, 2016). Confirming this relationship is their perception that, although street vendors are poor/disadvantaged and/or pay multiple fees, vending helps vendors escape poverty¹².

Individuals who cite SR as a motive for buying from vendors are likely to have attained midlevel education and are plausibly of the opinion that vendors pay tax. Contrasting Culiberg and Badge (2014), people who buy for SR motives do not patronise street vendors in Lagos, Nigeria to avoid/evade tax, but to build kinship. To speculate, the 'be your brother's keeper'

¹² This assertion was confirmed when we re-ran the multiple logistic model with Agreed and Disagreed as dummy and redundant variables respectively. See appendix

culture is strong in Nigeria. So, it is common practice for family members, religious/business associates to buy products from a vendor-member to show loyalty and maintain kinship, rather than to buy from outsiders/formal shops.

Individuals who cite FG as a motive for buying from street vendors are likely to be married and to have the lowest levels of formal education. Results confirm the findings of Williams and Martinez-Perez (2014), that people with dependants buy from street vendors for the lower price (FG) motive (Basinski, 2009, reports similar results for married women). Results also support Meagher and Yunusa's (1996) observation that working-class income affects the demand-side of Nigeria's informal economy and Martinez *et al.'s* (2017) argument that people patronise vendors because they are poor and earn a low income, as the low level of educational attainment suggests those who patronise vendors for the FG motive are unlikely to have attained high-paying formal sector jobs – hence they earn low wages (Verick, 2006). With 44.3 per cent of Nigerians living in extreme poverty (WPC, 2018), respondents' perceive vending to provide a poverty escape-route, although vendors are burdened with multiple fees. Thus, for married women, buying from street vendors represents an opportunity to save, and thus escape from poverty.

Individuals who participate in the demand-side of street vending for multifeature reasons are likely to be single and highly educated. As noted earlier, these individuals have dual objectives for patronising vendors: to buy and to sell. This is confirmed by their perception that vendors are poor/disadvantaged, pay multiple fees, but that vending enables them to escape poverty, as they do not pay tax¹³. These individuals can be MNE representatives who patronise street vendors to make them distributors (Neuwirth, 2011); or traders in their own right, who in the process of going about their business find the need to buy food/water or

¹³ Results confirmed: see footnote 13; appendix

other items from vendors. We reiterate our earlier thesis that multifeature participants suggest street vending is self-sustaining.

Conclusions

This study extends the street-vending literature by reporting four motives for which individuals engage on the demand-side of street vending: FEF, SR, FG and multifeature rationales. With over half (53.3%) of respondents, FEF (formal economy failures) is the main motive for patronising street vendors in Nigeria. This contrasts with Williams and Martinez-Perez's (2014) findings that seeking lower prices (FG: financial gains) is the highest-ranked single motive for buying from vendors; but it does support their argument of significant country/regional variation in the main motive for patronising vendors. For Lagos, our findings call into question the ban or criminalisation of street vending, since policy makers are largely responsible for the main trigger, FEF. As explained earlier, the government's failure to address traffic congestions on Lagos roads and consequent loss of daily travelling-time (FEF) underpins individuals/young professionals' patronage of vendors in Lagos.

Also reported are six variables relating to these motives: marital status, level of education and four perception variables. Married individuals with low levels of formal education attainment will likely patronise street vendors for FG reasons (lower price/to save), whilst single, highly educated individuals will likely patronise vendors for FEF reasons (accessible, available, convenient) and multifeature reasons (buy and sell). However, significant differences exist in the perception of individuals patronising street vendors for FG and multifeature motives, as explained earlier and confirmed by the results in Table 5. These results confirm Sookram and Watson's (2008) findings that married people participate in the informal economy's demand-

side, but they contrast with Williams and Martinez-Perez's (2014) findings that younger and older people buying from street vendors are motivated by lower prices and FEF respectively. Descriptive analysis shows differences in respondents' gender and main job-/occupation-type, but in support of Asiedu and Agyei-Mensah (2008), they are statistically non-significant. However, it contrasts with the findings of Williams and Martinez-Perez, (2014) and Sookram and Watson (2008), who reported significant differences between men and women participating in the informal economy's demand-side.

The multiple factors reported in this study highlight the need for pragmatic policies to tackle street vending in Lagos, Nigeria. Such a one-size-fits-all and extreme policy as banning/criminalising vending represents a suboptimal and unstable equilibrium. Therefore, as has been recommended elsewhere (Basinski, 2009; Asiedu and Agyei-Mensah 2008; Cross 2000), policy makers should 'consult' with, rather than 'confront', street vendors, accommodating and allowing them to co-exist with the formal sector. One way of doing this is to ensure an honest, open and continuous dialogue between policy makers, street vendors and their patrons. This is supported by our findings that over half of vendors' patrons have cited FEF as their main-motive.

Finally, policy makers should facilitate an environment that encourages all citizens to achieve their full-economic potential, and not criminalise those going about their legitimate business. This can be achieved by ensuring policy consistency, redefining or reclassifying what they recognise as 'informal activity' (Xue and Huang, 2015), by deregulating the sector to allow informal economy/street vending to exist as an 'incubator' for business start-ups (Cross, 2000) or by creating a vending drive-through market. However policy makers approach this challenge, individuals participating in both the demand- and supply-side of vending should have the resources and opportunities to achieve their full economic potential.

To conclude, we hope this article stimulates further research, as we cannot claim it provides answers to all possible questions relating to the demand-side of street vending. To enhance generalisation, future studies may employ larger samples to reflect Lagos state and Nigeria's population. Findings reported in this study were based on 160 responses, although this figure compares well with those used in the literature. Moreover, efforts were made to achieve high quantity/quality sample 15. In addition, further studies into what social ties mean and how they relate to vending would be helpful. Finally, whilst we have tried to reduce bias 16, we accept that it cannot fully be eliminated. We thus might have omitted from this study a proportion of street vending patrons with uncaptured diverse motives. Nevertheless, to conclude, we restate this paper's contributions: it reports four motives for participating on the demand-side of street vending, including a new *multifeature motive*, which, are, in turn, explained by individuals' marital status, level of education, and perceptions of street vending. Findings highlight the need for urban planners to embrace pragmatic policies in addressing these demand-side drivers of street vending and use of the urban space, rather than criminalising its actors.

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¹⁴ Sample employed by Iyenda (2005) and Huang *et al.*, (2017) to study Kinshasa and China were 125 and 200 respondents respectively. Further, we found consistent responses to common questions answered by all 600-respondents in support of the literature that the Nigerian informal economy shares similarities with those of other West Africa countries (Meagher and Yunusa, 1996).

¹⁵ Although interviewees were generally suspicious that the state government sponsored the survey, research administrators made extra efforts to refute this, hence the success of 160 correctly completed questionnaires.

¹⁶ See methods section.

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Tables

Table 1. Reliability analysis

		Number of variables	Cronbach α
1	Reliability test for dichotomous variables	10	0.858
2	Reliability test for Likert-scale variables	10	0.712

Table 2. Respondents' demographics and some important descriptive statistics

Item	% of Total (N=160)
Gender:	70 01 10tai (1V 100)
Male	51.3
Female	48.8
Age:	70.0
16-25	14.4
26-30	37.5
31-35	19.4
36-40	13.8
41-64	15.0
Mean: 32; Std. Deviation: 7.5; Mode, Median: 30	13.0
Education:	
Non (no formal education)	12.5
SSE (Senior School Education)	40.6
HND/OND /NCE*	25.6
BSc/Degree	21.3
Employment status:	
Employed + run own-business	13.2
Private/government employee	18.2
Fully self-employed	49.7
Don't know	18.9
Main job/business activity:	
Home/pure service	41.3
Sales/trader	36.4
Professionals	22.4
Involved in supply-side street hawking by main	
job/business activity	
Home/pure service	74.1
Sales/trader	76.9
Professionals	34.4

Note: *HND: Higher national diploma, OND: ordinary National Diploma, NCE: National Certificate in Education; N: total responses.

Table 3. Respondents reasons for patronising street vendors in Nigeria

Motive:	% of total
Social redistributive rationale (help hawkers, networking/win	9.9
customers)	
Financial gains (cheaper/better than shop, save expenses/less cost)	12.5
Multifeature (only job known/survival, get quick/reliable	24.3
money/income, easy sales)	
Formal economy (accessible, reliable, save time)	53.3

Note: total responses (N): 160; respondents cited words in parenthesis

Table 4. Multinomial logistic model results: motives of street vending & attributes

Attributes	Rationale		different refe		
		SR	FG	MF	FEF
Gender: Female	SR	0	49.86(.995)	50.7(.99)	50(0.993)
	FG	-49.86(.99)	0	0.8(.42)	-
	MF	-50.7(.99)	84(.42)	0	39(0.996)
	FEF	-50.6(.99)	-0.7(.49)	.14(.87)	-0.14(.87)
					0
Marital status:	SR	0	-38.1(.995)	-36.2(.995)	-
Married	FG	38.1(.995)	0	1.85(.062)	35(0.995)
	MF	36.2(.995)	-1.85(.062)	0	2.63(.013
	FEF	35.4(.995)	-2.63(.013)	77(.37)	0.77(.37)
		` ,	, ,	` ′	0
Education level: SSE	SR	0	16.94(.995)	35.1(.99)	36(0.99)
& below	FG	-16.9(.998)	0	18.2(.998)	19.6(.998
	MF	-18.7(.000)a	-16.8(.000)a	0	1.43(.36)
	FEF	-36.6(.99)	-19.6(.000)	-1.4(.36)	0
Hawkers are poor,	SR	0	-34.9(.99)	-33.7(.99)	-36(0.99)
disadvantaged:	FG	34.94(.99)	0	1.2(.36)	-
(Disagreed)	MF	33.7(.99)	-1.21(.36)	0	1.68(.198
(= -2.11.62-2-2.17)	FEF	36.6(.99)	1.68(.198)	2.89(.011)	-
	1 21	20.0(.55)	1.00(.150)	2.03 (.011)	2.89(.011
					0
Hawking helpful to	SR	0	18.3(.995)	15.9(.996)	19(0.995)
hawkers:	FG	-	0	-2.4(.054)	0.74(.56)
(Disagreed)	MF	18.35(.995)	2.4(.054)	0	3.14(.004
(Disagreed)	FEF	-15.9(.996)	-0.74(.56)	-3.14(.004)	0
	121	-19.1(.995)	0.7 1(.50)	3.1 ((.001)	· ·
Hawkers pay no tax:	SR	0	-20.1(.000)	-0.5(.79)	0.5(0.79)
(Disagreed)	FG	20.1[.000]	0	19.6[.000]	20.6[.000
(= -2.11.82-2-2.11)	MF	0.54(.79)	-	0	1.04(.26)
	FEF	-0.5(.79)	19.59(.000)	-1.04(.257)	0
	121	0.5(.77)	-20.6[.000]	1.0 ((.207)	· ·
Hawkers pay	SR	0	20.5(.998)	2.57(.28)	_
multiple fees:	FG	-20.5(.998)	0	-17.9(.998)	0.68(0.72)
(Disagreed)	MF	-2.57(.28)	17.94(.998)	0	-
(Disagreed)	FEF	.068(.72)	21.2(.998)	3.25(.026)	21.2(.998
	I LI	.000(.72)	21.2(.))	3.23(.020)	-
					3.25(.026
					0
Government	SR	0	65.2(.996)	70.5(.995)	50(0.99)
overregulates,	FG	-65.2[.000]	03.2(.990)	5.3[.000]	50(0.33)
disturbs hawkers:			-5.31[.005]	3.3[.000] 0	15.3[.000
	MF	-70.1[.000]			15.5[.000
(Disagreed)	FEF	-49.87(.99)	15.3(.999)	20.59(.998)	- 20 61 000
					20.6[.000]
T (110) 1 D . / .		75 0***			0
Likelihood Ratio		75.8***			
Chi-Square	1 1 \	114.49***			
Pseudo R-Square (Nal		0.80	f significance:		

Note: ***, **, & * means 1%, 5%, & 10% levels of significance; p-values in parenthesis; standard errors in [] parenthesis; ^a = educlevel(1); SSE: secondary school education; SR: social redistributive; FG: financial gains, MF: multifeature; FEF: formal economy failures

Table 5. Difference between the rationale of street vending and their attributes

	Formal	Social	Financial	Multifeatu
	Econom	Redistributi	Gains	re
	У	ve		
Marital status	Single	n.s.	Married	Single
Education level	Top-	Mid-level	Lowest	Top-level
	level		level/none	
Perception 1: SH do not pay	Agreed	Agreed	n.s.	Agreed
tax				
Perception 2: SH pay	Disagree	n.s.	Agreed	Agreed
multiple fees	d			
Perception 3: SH are poor,	Disagree	n.s.	n.s.	Agreed
disadvantaged	d			
Perception 4: SHng helps	Agreed	n.s.	Agreed	Agreed
vendors to escape poverty	-		_	-

Note: SH: street vendors; SHng: street hawking; n.s.: statistically non-significant.

Appendix

Table A shows results of the factors that further explain motives for street vending, with Agreed being the dummy, whilst Disagreed is redundant for perception variables

Table A: multinomial logistic model results: rationale of street vending & attributes

Attributes	Rational	Coefficient @ different reference categories			
	e	SR	FG	MF	FEF
Marital status:	SR				
Married	FG			1.68(.097)	2.05(.059)
	MF		-		
	FEF		1.68(.097)		
			-		
			2.05(.059)		
Hawkers are poor,	SR				
disadvantaged:	FG				3.48(.031)
(Agreed)	MF				3.9(.004)
	FEF		-	-3.9(.004)	
			3.48(.031)		
Hawking helpful to	SR				
hawkers: (Agreed)	FG				
	MF				-
	FEF			3.69(.003)	3.69(.003)
Likelihood Ratio		68.97***			
Chi-Square		178.69***			
Pseudo R-Square (N	(alkerke):	0.81			

Note: only statistically significant results are included; *** means 1% levels of significance; p-values in parenthesis; SSE: secondary school education; SR, FG. MF, FEF, as earlier defined.

Extended appendix

NOTE: the following extended appendix has been added at the request of the referees to aid the review process. However, in order not to exceed the 8500-word limit, the author does not think it should be added to the final version of this paper, except if there is a way of publishing it as a separate document online.

First, it is important to reiterate that the measures/variables analysed in this study were chosen on the basis of existing literature/theory. Specifically, H1-H3 were adopted from Williams and Martinez-Perez (2014), and H4-H7 were adopted from Sookram and Watson (2008), with Culiberg and Bajde (2014) also having a major influence on these choices. However, we still conducted the Cronbach test for additional comfort, with the results depicted in Tables EA1 and EA2. The former depicts results for dichotomous variables; the latter for continuous variables. However, as the attached questionnaire shows, there are over 20 questions in total, with many seeking confirmation of an earlier question. It was designed this way to check if respondents were consistent in their responses.

Cronbach results:

Table EA1: Reliability analysis for dichotomous variables

Cronbach reliability coefficient (α) = 0.858		
Variables	Correlated item-	Cronbach α if
	total correlation	item deleted
Gender	.04	.888
Marital status	045	.894
Have you previously worked (or currently work) in the	.639	.840
public service?		
Are you employed on the basis of a written contract or	.636	.839
agreement?		
Does your employer pay contributions to the pension	.872	.824
funds for you?		
Do you benefit from paid annual leave or from	.849	.824
compensation instead of it?		
In case of incapacity to work due to health reasons,	.881	.822
would you benefit from paid or sick leave?		

In case of birth of a child, would you be given the	.872	.824
opportunity to benefit from maternity leave?		
Unless it is a fault of yours, could you be dismissed by	.783	.83
your employer without advance notice?		
Has the ban on street hawking in Lagos affected you?	.375	.861

Table EA2: Reliability analysis for likert-scale variables

Cronbach reliability coefficient (α) = 0.712		
Variables	Correlated item-	Cronbach α if
	total correlation	item deleted
Street hawkers are poor because they are disadvantaged	.186	.736
Street hawking helps people that are poor to overcome	.559	.658
poverty		
Street hawkers do not pay tax#		
Street hawkers pay multiple fees for tickets to operate	.452	.675
Government disturbance & regulation of street hawkers	.443	.679
is too much		
Before they can operate, street hawkers are compelled to	.411	.684
give bribe to some-law enforcement agents		
It is very risky for government taskforce to finds people	.205	.715
hawking		
There is no government support for street	.327	.697
hawkers/hawking		
Government should support street hawking as it is	.303	.700
helpful to Lagosians		
Street hawkers sell/(render) essential goods/(services)	.649	.637
Street hawkers provide convenient goods and services to	.270	.704
customer		

^{#-} included based on theory & evidence from literature

EA3: Research questionnaire

Research questionnaire: This research aims to find out about street hawkers and why people patronise (buy from) them.

YOUR CODE NUMBER:

To ensure your anonymity we do NOT ask for your name but encourage you to choose for yourself a CODE number. Please keep a record of it as part of your right to withdraw. Please answer the questions that follow truthfully as nobody will be able to identify you in any way from your answers.

Focus of the research: we would like you to complete this questionnaire if any of the following describes you/your business (please circle the one/s applicable to you):

- 1. I use services (e.g., electrical appliances and mobile phone repairs, shoe repairs, etc) provided by one-man or small businesses
- 2. I have bought (or would buy) a good or service from hawkers or one-man or small-family businesses
- 3. I buy water, snacks (e.g., gala, groundnut), clothes, recharge cards, books, tapes/CDs etc from street hawkers or vendors under umbrella stand
- 4. I buy food from local restaurant, food joints, mama-put, street food-hawkers

Special Note:

- A. When I say rank your options, please indicate the order of importance of the options you have taken, starting from one (1) as the most important/strongest
- B. A street hawker this is anybody that sells anything on the street, whether on wheelbarrow, on tray, in/by hands, in a car, using bicycles etc

Code number:

Plea	se specify your:	
1	Age	
2	Gender	
3	Marital Status	
4	State of origin	
5	Religion	
6	Please write what you do as main job/business	

7	Write what you do as second job/business (if applicable)	
8	Why do you have a second job/activity? (if applicable)	
9	What is your level of education?	

10 Please tick the one that best describes your employment status (tick only one pls):

I work for government, but also have my business[] I work for a private company, but also have my business[] I only work for a private company[] I only work for government[] I am fully self-employed, run my business[]

- 11 What year did you start this work/business? Please specify.....
- 12 What type of location do you usually carry out your work or business? (if more than one option applies, please rank as 1=mostly, followed by 2, 3 ...)

No fixed location/on the street[] mobile-Car/bus[] office[] own home[] business premises[] construction site[] workshop[] factory[] shop/kiosk[] street stall[] client's home/workplace[] market/bazaar stall[] footpath/street corner[]

13 How often do you receive income or salary or money from your main work?

Daily[] Weekly[] bi-monthly[] Monthly[] Anytime activity/job is done[] Never[]

13A. Table: money earned - please fill only relevant column – day, week or month

	On the average, how much:	Per Day Naira	Per Week Naira	Per Month Naira
13a1	Total revenue earned			
13a2	Total expenses			
13a3	Total income earned			
13a4	Total money saved			

14. What proportion of your total income is earned from your main work?						
All (about 100%)[]	about 75%[]	about 50%[]	about 25%[]	none[]		

14B. What is the source of your other income? Specify (if applicable).....

Please tick Yes or No for each of questions 15-17

		Yes	No.
15	Has the ban on street hawking in Lagos affected you?		
16	Have you ever been involved in street hawking (i.e., sell as street hawker)?		
17	Have you ever bought anything from a street hawker?		

18 Why did (do) you patronise street hawkers?										
19	Please	list	three	bad	things	about	street	hawkers/hawking	in	Lagos
	a			l)			c		
20 Please list three good things about street hawkers/hawking: a										
b.						. c				

Please tick Yes or No for each of questions 21-32

		Yes	No.
21	Do you work full time or run your business full time?		
22	Is your job or business activity seasonal		
23	Have you received any training on doing this job/running this business?		
24	Have you previously worked (or currently work) in the public service?		
25	Are you employed on the basis of a written contract or agreement?		
26	Does your employer pay contributions to the pension funds for you?		
27	Do you benefit from paid annual leave or from compensation instead of it?		
28	In case of incapacity to work due to health reasons, would you benefit from paid or sick leave?		
29	In case of birth of a child, would you be given the opportunity to benefit from maternity leave?		
30	Unless it is a fault of yours, could you be dismissed by your employer without advance notice?		
31	In case of dismissal, would you receive the benefits and compensation specified in the labour legislation?		

32	Do you belong to a professional body or labour union in your domain of work or	
	business?	

33 If you belong to a union/professional body, for which of these does the body help you? (if more than one option applies, please rank as 1=mostly, followed by 2, 3 ...)

Training[] access to loans[] linkages with government[] interactions with employees/employer[] professional advancement[] none[] not applicable[] other, specify......

Please find the key to the table below: SA = strongly agree; A = agree; N = neither agree nor disagree; D = disagree; SD = strongly disagree. Please the one that best represents your view

		SA	A	N	D	SD
34	Street hawkers are poor because they are disadvantaged					
35	Street hawking helps people that are poor to overcome poverty					
36	If there are good jobs for people, street hawking would end					
37	Government should discourage street hawking as it is harmful to the economy					
38	Street hawkers do not pay tax					
39	Street hawkers pay multiple fees for tickets to operate					
40	Government disturbance & regulation of street hawkers is too much					
41	Before they can operate, street hawkers are compelled to give bribe to					
	some-law enforcement agents					
42	It is very risky for government taskforce to finds people hawking					
43	There is no government support for street hawkers/hawking					
44	Government should support street hawking as it is helpful to Lagosians					
45	Street hawkers sell/(render) essential goods/(services)					
46	Street hawkers provide convenient goods and services to customer					
47	Street hawkers provide unique and cheap goods and services					
48	Despite ban on hawkers in Lagos, street hawking is still prevalent					
49	Street hawkers sell fake goods and services					
50	Government's policy to ban street hawking in Lagos is good					

51	What is the biggest challenge faced by street hawkers	
	in Lagos	
52	Which government agency or agents disturb	
	(regulates) street hawkers?	
53	Please write two important contributions you think	1
	street hawkers/hawking make to Lagos economy	
		2
54	Why do you think government has banned street	
	hawkers/hawking in Lagos?	
55	What next do you think government should do about	1
	street hawking/hawkers?	
		2

THANK YOU