

Pooled Longitudinal Dataset on the Assessment of an Apprenticeship-Based Entrepreneurship Intervention in Nigeria

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Abstract

This dataset presents longitudinal data collected through four surveys (in six-monthly intervals) of fresh university and polytechnic graduates in Nigeria. The data were collected from 21,940 unique young men and women who underwent National Youth Service Corps (NYSC) programme across ten states in Nigeria. The NYSC programme is a compulsory one-year national service that all Nigerians under the age of 30 years must undergo after graduation. A key component of the one-year service is the Skills Acquisition and Entrepreneurship Development (SAED) programme of the NYSC. The dataset is useful for many purposes. It contains enough information to fully profile the entrepreneurship and apprenticeship characteristics of the fresh graduates. Moreover, it can be used to quantify the potential pool of future entrepreneurs among highly educated Nigerian youth. The dataset was originally used to assess the impact of SAED, being an apprenticeship-based entrepreneurship intervention, on entrepreneurial outcomes among young persons. However, its use may also extend to an assessment of the impact of compulsory entrepreneurship training in the Nigerian university system that produced most of the respondents.

Keywords

entrepreneurship interest – entrepreneurship experience – apprenticeship – fresh graduates – SAED – Nigeria

- Related data set “Pooled Longitudinal Dataset on the Assessment of an Apprenticeship-based Entrepreneurship Intervention in Nigeria” with DOI [www.doi.org/10.17632/x7v3gd2wm3.2](https://doi.org/10.17632/x7v3gd2wm3.2) in repository “Mendeley”

1. Introduction: Background and Context of the Research

- **Pooled Longitudinal Dataset on the Assessment of an Apprenticeship-based Entrepreneurship Intervention in Nigeria** deposited at Mendeley
– DOI:[www.doi.org/10.17632/x7v3gd2wm3.2](https://doi.org/10.17632/x7v3gd2wm3.2)
- **Temporal coverage:** November 2020-April 2022

The dataset is from a longitudinal study comprising four surveys – a baseline, two follow-up surveys and an endline – collected from university and polytechnic graduates who were undergoing the one-year compulsory national service across ten selected states in Nigeria. Universities and polytechnics are higher education institutions (HEIs) in the Nigerian education system. The polytechnics award a higher national diploma, which is considered a technical education certification equivalent to the Bachelor's degree awarded by the universities. Graduates of both institutions are mobilized for the one-year national youth service. As of the time of writing this manuscript, there are a total of 221 universities and 173 polytechnics in Nigeria, according to the National Universities Commission (NUC)¹ and the National Board for Technical Education (NBTE),² respectively, which are their regulating agencies. These HEIs are either federal, state government-owned or private-owned. Many of the universities offer generalized courses while some specialize in specific areas such as agriculture, maritime studies, aviation, technology and health-based courses (Egbetokun et al., 2020).

The surveys were designed for a longitudinal study to assess the impact of the Skills Acquisition and Entrepreneurship Development (SAED) programme of the NYSC, which is the largest apprenticeship-based entrepreneurship intervention for young people in Nigeria, and arguably in Africa. The SAED programme introduces apprenticeship-based entrepreneurship training in several skill sectors to Corps members. The study was based on the premise in management literature that educated entrepreneurs tend to be better managers who nurture high-growth firms and expand modern businesses, and that apprenticeship is an effective means of increasing the pool of potential entrepreneurs (Gennaioli et al., 2013; La Porta & Shleifer, 2014; Onakala & Banwo, 2015).

The surveys were collected at roughly 6-monthly intervals across the ten selected states, including a baseline survey in November 2020 when the respondents were newly mobilized for their service and were having the Orientation programme on the camps, two follow-up surveys respectively

¹ www.nuc.edu.ng (Accessed on May 19, 2023).

² <https://net.nbte.gov.ng> (Accessed on May 19, 2023).

in April and October 2021, and an endline survey in April 2022 after the respondents had exited the NYSC scheme for about six months.

2. Value of the Data

The dataset is useful for quantifying the pool of potential educated entrepreneurs in Nigeria and for understanding the correlates of their motivation and interest. The dataset is, to the best of our knowledge, the largest on the subject of entrepreneurship among young educated Nigerians. The baseline survey data fills a critical research gap in understanding and assessing the impacts of the introduction of compulsory entrepreneurship courses in the Nigerian university system that produced most of the respondents (see Olofinyehun et al., 2018).

The data was originally used to assess the design, delivery and impacts of the SAED programme of the NYSC on entrepreneurial outcomes which is by far the largest apprenticeship-based entrepreneurship development programme for young people in Africa, and which by the start of the surveys had run for a decade; but it can also be applied to evaluating the impact of policies that are relevant to the target population between November 2020 and April 2022.

Governments and donors can especially find the data useful in designing responsive strategies and programmes to support apprenticeship and entrepreneurship development among educated young people in developing countries. Nigeria is a typical developing country in terms of its size and economy; lessons about Nigeria can be revealing and instructive for the rest of the developing world. Researchers in the field of entrepreneurship and development studies can use the data for comparative analyses to compare with other countries, implement further impact evaluation research and support systematic reviews in the future.

3. Methods

3.1. Context

Nigeria is divided into 36 sub-national administrative units called states, in addition to the Federal Capital Territory (FCT). These are grouped into 6 geopolitical zones as shown in Figure 1 – North-East, North-Central, North-West, South-East, South-South and South-West. The NYSC, with the national directorate headquarters in the FCT and operations in every state, handles the mobilization of all eligible Nigerian graduates for the scheme. Eligible

university and polytechnic graduates are deployed annually for a one-year service to any of the states other than their state of origin. The assignment of graduates is completely random. The NYSC programme commences with a three-week Orientation Programme, which takes place at the orientation camps across all the states and the FCT.

The SAED programme has two components. The first and near-compulsory one is the on-camp introduction of apprenticeship training skills to the Corps members. This happens during the 3-week Orientation camp programme, and it is designed to motivate the Corps members to decide on which skill set they will follow for the rest of the service year. The post-camp component follows after the camp when Corps members decide whether or not they will continue to learn as an apprentice under a master, who is in most cases an accomplished entrepreneur or craftsman.

3.2. *Sampling*

The surveys took place in ten states covering the Batch B 2020 Corps members who underwent the service between November 2020 and October 2021. Because the distribution of graduates into states where they will serve is completely random, the cohort of Corps members is practically homogenous across all states, even though total numbers may differ between states due to the differences in the capacity of available facilities in each state. To effectively reflect the national spread of the Corps members, the survey covered 2 randomly selected states in each of the 5 zones, the North-East deliberately exempted due to the insecurity there. Thus, we drew our sample from about a third of all the eligible states in Nigeria. In each of the selected states, a survey of all Corps members was targeted at baseline, yielding a total of 9,304 respondents covered at baseline. At the first midline survey, the number increased to 16,420. This was because at the time of the first midline survey, new Corps members who were not covered at baseline had been redeployed into the covered states after they had had their orientation program elsewhere. Many of those covered at baseline had also been redeployed to other states and were therefore lost. Response rates were drastically low in the second midline and endline surveys. This was because the last two surveys were administered online and focused on an experimental sample of less than 2000. Moreover, the respondents had passed out of the NYSC programme by the time of the endline survey and were much more difficult to reach. Table 1 shows the number of respondents covered in each of the four surveys.

According to NUC Statistical Digest 2019 (the latest available), there were a total of 267,229 university graduates,³ comprising 150,731 (56%) males and

3 Recent data were not available for polytechnic graduates.

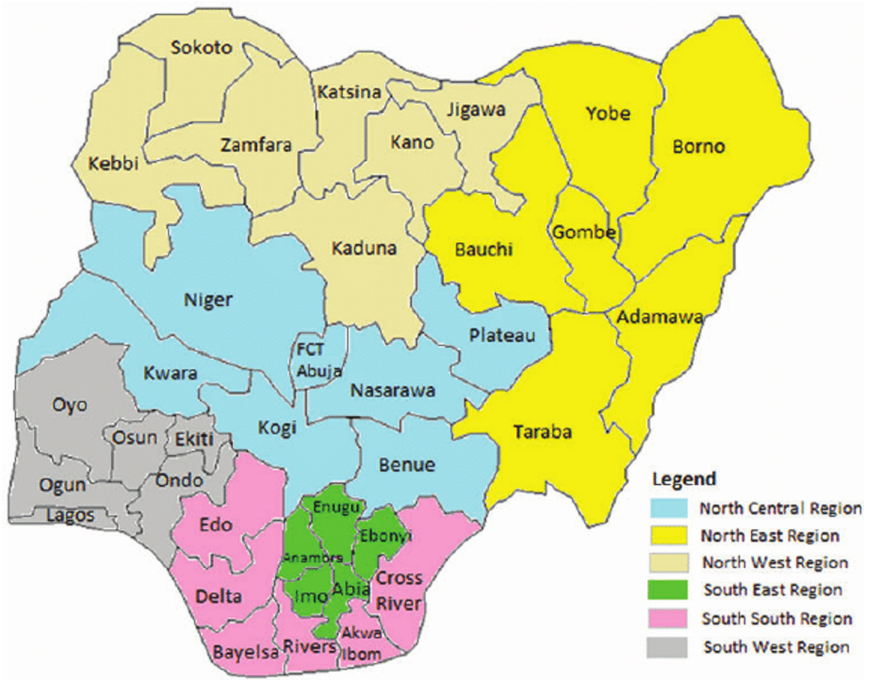


FIGURE 1 Administrative map of Nigeria showing geopolitical zones and states

TABLE 1 Breakdown of respondents by state and geopolitical zone, across surveys

Zone	State	Baseline	Midline 1	Midline 2	Endline	Total
North-Central	FCT	830	886	44	31	1,791
	Nasarawa	859	964	68	58	1,949
North-West	Kaduna	702	2,367	349	111	3,529
	Kano	847	1,139	114	82	2,182
South-East	Anambra	1,086	2,157	366	268	3,877
	Enugu	940	1,183	171	132	2,426
South-South	Delta	988	1,758	212	149	3,107
	Rivers	872	1,528	167	133	2,700
South-West	Lagos	960	2,391	160	105	3,616
	Ogun	1,220	2,047	287	212	3,766
Total		9,304	16,420	1,938	1,281	28,943

116,498 (44%) females. As indicated above, our data mirrors the national distribution of the Corps members but it is not perfectly representative of the distribution of Nigerian graduates along demographic dimensions (except sex) at the time of the study. This is because the number of Corps members undergoing the national youth service is itself not perfectly representative of the total or stock of university and polytechnic graduates in the system at any given time. Several factors account for this. One, all institutions in the Nigerian higher education system do not operate a uniform calendar, so the graduation period differs across institutions, and many graduates wait for months and years before being mobilized for the national service. This is particularly the case for our sample, which was drawn from the first set of graduates to commence NYSC after the Covid-19 lockdown. Two, though the national service is compulsory, graduates may choose to defer their service for health, marital or academic reasons (some programs allow graduates to complete their Master's degree before going for NYSC); and those who defer will end up being later mobilized with a different graduation cohort. Three, those who graduate after age 30 are exempted from the national youth service. Four, many graduates, more common these days than before, travel abroad immediately after graduation to return much later for the NYSC, and some never return.

3.3. *The Instrument*

Questionnaires differed across surveys, some questions cutting across a number of or all the surveys while some questions were particular to certain surveys. The baseline was the largest as it was meant to fully profile the respondents before the SAED intervention. The midline surveys were particularly devoted to eliciting information from the respondents regarding their experience and assessment of the on-camp and post-camp components of the SAED programme. The endline survey was particularly focused on capturing the effects that SAED may have had on the ex-Corps members in terms of entrepreneurial interest, self-employment, securing decent employment and employment creation. Table A1 in the Appendix presents all the variables and shows in which survey(s) they were covered.

The questionnaires – which were hand-delivered to all the Corps members at baseline and first midline surveys, and administered online for the second midline and endline surveys – consist of closed-ended and Likert-scale questions, as well as open-ended questions that sought to elicit deeper insights from the respondents. Copies of the questionnaires for all the surveys

are included in the repository where the datasets are deposited. Overall, the questionnaires covered various sections, as follows:

- (i) Personal information (biodata)
- (ii) Educational information
- (iii) Family background
- (iv) Entrepreneurship/business experience
- (v) Entrepreneurial attitude
- (vi) Apprenticeship
- (vii) Entrepreneurship education
- (viii) Personal entrepreneurship characteristics (PECS)
- (ix) Family and societal influence on entrepreneurship development
- (x) Contact information
- (xi) Participation and assessment of the SAED programme, on-campus and post-campus
- (xii) Post-NYSC entrepreneurial outcomes

3.4. *Data Processing*

Data entry of the raw data was done with Statistical Package for Social Scientists (SPSS) package version 20, and processed with Stata version 13.

4. **Data Description**

Structured questionnaires were used to collect information from the respondents. The questionnaires included both close-ended and Likert-scale questions with some open-ended questions that sought to elicit detailed explanations, as necessary. The questionnaire is provided as a supplementary file. The surveys were self-administered physically or online. For the first two surveys, questionnaires were hand-delivered to the respondents following an introductory address on the research project by a member of the research team or a trained enumerator. The last two surveys were administered online via Google Forms⁴ or Kobo Collect,⁵ respectively. The dataset is provided in a public repository.

⁴ www.google.com/forms/about.

⁵ www.kobotoolbox.org.

4.1. Profile of Respondents

The profile of the 9,304 respondents covered at baseline is presented in Table 2. Most (83.35%) of the respondents were under the age of 30. This is as expected; because only those who have graduated before age 30 are mobilized for the NYSC scheme, while those who are above age 30 at graduation are given exemption

TABLE 2 Profile of respondents at baseline

Attribute	No.	%	Attribute	No.	%
<i>Age</i>			<i>Ethnic origin</i>		
19 years	11	0.12	Hausa	1660	17.84
20 – 24 years	3079	33.10	Igbo	1771	19.03
25 – 29 years	4664	50.13	Yoruba	2575	27.68
30 years and above	376	4.04	Others	3062	32.912
No response	1174	12.62	No response	236	2.54
<i>Marital status</i>			<i>Years since graduation</i>		
Single	8781	94.38	Less than 1	962	10.34
Married	367	3.94	1–2	7836	84.22
Divorced/separated/widowed	19	0.20	3 and above	230	2.47
No response	137	1.47	No response	276	2.97
<i>Sex</i>			<i>Highest qualification</i>		
Male	5156	55.42	Bachelor degree	6218	66.83
Female	4086	43.92	Higher National Diploma ^[a]	2493	26.79
No response	62	0.67	Post-graduate	90	0.97
			No response	503	5.41
<i>Discipline of study</i>			<i>Class of degree</i>		
Education	559	6.01	First	262	2.82
Engineering	1236	13.28	Second upper	2503	26.90
Social sciences	938	10.08	Second lower	3425	36.81
Management sciences	1933	20.78	Third	518	5.57
Physical sciences	863	9.28	Distinction	144	1.55
Biological sciences	894	9.61	Upper credit	846	9.09
Medical sciences	250	2.69	Lower credit	1150	12.36

TABLE 2 Profile of respondents at baseline (*cont.*)

Attribute	No.	%	Attribute	No.	%
Environmental sciences	640	6.88	Pass	171	1.84
Agricultural sciences	352	3.78	No response	258	2.77
Arts and humanities	1019	10.95			
Law	106	1.14			
Others	424	4.56			
No response	90	0.97			

[a] Higher National Diploma is the certification for Polytechnic graduates, comparable to a Bachelor's.

certificates. The less than 2% who are age 30 and above likely represent those who, after graduation, must undertake internship/housemanship for another year before proceeding on national service. Additionally, there is sometimes a time lag between graduation and the commencement of the national service, depending on the exact time of graduation in relation to the NYSC calendar, which may also explain why only about 10% of the respondents have graduated within a year of the time of the survey. There was a higher percentage of males than females. The graduates are mostly single. In terms of ethnic origin, the three major tribes – Hausa, Igbo and Yoruba – are well represented; and all additional tribes (including, for instance, Efik, Tiv, Ijaw, etc.) are bundled under the ‘Others’ category. Most of the respondents held a university bachelor’s degree, while a little above a quarter of them had the Higher National Diploma (HND) from polytechnics; and a few have post-graduate qualifications. The disciplinary backgrounds of the respondents spread across sciences, engineering, arts and education courses.

5. Conclusion

We have presented and described a longitudinal dataset originally collected to assess the effectiveness of an entrepreneurship initiative among a cohort of Nigerian university and polytechnic graduates. We hope that policymakers and development actors will find the dataset useful for guiding policy and practice, and researchers for further research in the youth entrepreneurship landscape in Nigeria and Africa.

Abbreviations

CDS	Community Development Service
FCT	Federal Capital Territory
HEI	Higher Education Institution
HND	Higher National Diploma
IDRC	International Development Research Centre
NACETEM	National Centre for Technology Management
NBTE	National Board for Technical Education
NUC	National Universities Commission
NYSC	National Youth Service Corps
PECS	Personal Entrepreneurship Characteristics
SAED	Skills Acquisition and Entrepreneurship Development
SPSS	Statistical Package for Social Scientists

Author Contributions

Adedayo Olofinyehun: conceptualization, data curation, investigation, methodology, roles/writing – original draft, writing – review & editing; Jumoke Adeyeye: funding acquisition, investigation, resources, writing – review & editing; Abiodun Egbetokun: conceptualization, investigation, funding acquisition, methodology, data curation, writing – review & editing; Michael Olomu: investigation, writing – review & editing; Jessica Oluwadare: investigation; writing – review & editing; Maruf Sanni: investigation; writing review and editing; and Monica Orisadare: investigation; writing – review & editing.

Conflict of Interest

The authors declare that they have no known competing financial interests or personal relationships, which have or could be perceived to have influenced the work reported in this article. The data collection was part of an impact evaluation study supported by the International Development Research Centre (IDRC), Canada under its Sustainable Inclusive Economies Employment and Growth program [IDRC Project No. 109118-001]. The National Youth Service Corps (NYSC) Directorate Headquarters, Abuja, Nigeria and the NYSC officials across the selected states where data collection took place were exceptionally supportive during the surveys. The authors are grateful to them.

Ethical Approval

In implementing the surveys, informed consent was a key ethical issue that was considered. Official approval to conduct the survey among Corps members was obtained from the NYSC Directorate Headquarters in Abuja. Every participant gave their consent before the questionnaires were administered. Essentially, they were fully informed about what the study was about and what participation in the study would entail. In addition, every questionnaire was prefaced with information that explained the purpose of the study and the role of the implementing agencies.

References

- Egbetokun, A., Olofinyehun, A., Ayo-Lawal, A., Oluwatope, O., Sanni, M., & Yusuff, U. (2020). Doing research in Nigeria: Country report. New Delhi: National Centre for Technology Management, Ile-Ife & The Global Development Network. [www.doi.org/10.13140/RG.2.2.35488.71686](https://doi.org/10.13140/RG.2.2.35488.71686).
- Gennaioli, N., La Porta, R., Lopez-de-Silanes, F., & Shleifer, A. (2013) Human capital and regional development. *Quarterly Journal of Economics*, 128(1), 105–164.
- La Porta, R., & Shleifer, R. (2014). Informality and development. *Journal of Economic Perspectives*, 28(3), 109–126.
- National Universities Commission (NUC). Nigerian University System Statistical Digest 2019. Retrieved June 10, 2023, from www.nuc.edu.ng/wp-content/uploads/2021/07/2019-NIGERIAN-UNIVERSITY-SYSTEM-STATISTICAL-DIGEST-CONDENSED-VERSION-FINAL-2_compressed.pdf.
- Olofinyehun, A. O., Adelowo, C. M., & Egbetokun, A. A. (2018). The supply of high-quality entrepreneurs in developing countries: evidence from Nigeria. *Science and Public Policy*, 45(2), 269–282. [www.doi.org/10.1093/scipol/scx065](https://doi.org/10.1093/scipol/scx065).
- Olofinyehun, A. O., & Egbetokun, A. (2023). Pooled longitudinal dataset on the assessment of an apprenticeship-based entrepreneurship intervention in Nigeria. *Mendeley Data*, V2, <https://data.mendeley.com/datasets/x7v3gd2wm3/2> & DOI:10.17632/x7v3gd2wm3.2
- Onakala, U., & Banwo, A. (2015). Informal sector in Nigeria through the lens of apprenticeship, education and unemployment. *American Advanced Research in Management*, 1(1), 13–22.

Appendix

TABLE A1 Variables across the four surveys

S/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
1.	survey	In which survey?	This variable was not collected as part of the survey but was added to indicate the survey in which each observation was present. This is important because the dataset is an unbalanced panel.			
2.	ID	Unique observation identifier	The ID remains the same for an observation irrespective of the survey. In other words, an observation with ID of xx in baseline remains as xx in any other survey where it appears.			
3.	sex	Sex	✓	✓	✓	✓
4.	maritalstatus	Marital status	✓	✓	✓	✓
5.	state	NYSC State	✓	✓	✓	✓
6.	B_age	Age at last birthday (Years)	✓			
7.	B_ethnicorigin_raw	Ethnic origin	✓			
8.	B_ethnicorigin_others	Others, please specify	✓			
9.	B_ethnicorigin_new	Ethnic origin_recategorized	✓			
10.	B_highestqual	Highest Qualification	✓			
11.	B_school	Which type of institution did you graduate from?	✓			

TABLE A1 Variables across the four surveys (cont.)

S/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
12.	B_course	Course of study	✓			
13.	B_course_new	Discipline	✓			
14.	B_yearofgrad	Year of graduation	✓			
15.	B_classofdegree	Class of degree	✓			
16.	B_fatherqual	Father's highest level of education	✓			
17.	B_motherqual	Mother's highest level of education	✓			
18.	B_parentbus	Has any of your parents initiated or run at least one business before?	✓			
19.	B_parentbus_typei	What kind of business parents run_Agroallied	✓			
20.	B_parentbus_typeii	What kind of business parents run_Automobile	✓			
21.	B_parentbus_typeiii	What kind of business parents run_Construction	✓			
22.	B_parentbus_typeiv	What kind of business parents run_Cosmetology	✓			
23.	B_parentbus_typev	What kind of business parents run_Culture & Tourism	✓			
24.	B_parentbus_typevi	What kind of business parents run_Environment	✓			
25.	B_parentbus_typevii	What kind of business parents run_Education	✓			

TABLE A1 Variables across the four surveys (cont.)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
26.	B_parentbus_typeviii	What kind of business parents run_ICT	✓			
27.	B_parentbus_typeix	What kind of business parents run_Food processing & preservation	✓			
28.	B_parentbus_typex	What kind of business parents run_Horticulture & Landscaping	✓			
29.	B_parentbus_typexi	What kind of business parents run_Film & Photography	✓			
30.	B_parentbus_typexii	What kind of business parents run_Power & Energy	✓			
31.	B_parentbus_typexiii	What kind of business parents run_Others	✓			
32.	B_parentbus_typexiii_1	Others (specify)	✓			
33.	B_parentbus_ongoingi	Is the business(es) currently in operation_Agro-allied	✓			
34.	B_parentbus_ongoingii	Is the business(es) currently in operation_Automobile	✓			
35.	B_parentbus_ongoingiii	Is the business(es) currently in operation_Construction	✓			
36.	B_parentbus_ongoingiv	Is the business(es) currently in operation_Cosmetology	✓			

TABLE A1 Variables across the four surveys (cont.)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
37.	B_parentbus_ongoingv	Is the business(es) currently in operation_Culture and Tourism	√			
38.	B_parentbus_ongoingvi	Is the business(es) currently in operation_Environment	√			
39.	B_parentbus_ongoingvii	Is the business(es) currently in operation_Education	√			
40.	B_parentbus_ongoingviii	Is the business(es) currently in operation_ICT	√			
41.	B_parentbus_ongoingix	Is the business(es) currently in operation_Food processing & Preservation	√			
42.	B_parentbus_ongoingx	Is the business(es) currently in operation_Horticulture & Landscaping	√			
43.	B_parentbus_ongoingxi	Is the business(es) currently in operation_Film & Photography	√			
44.	B_parentbus_ongoingxii	Is the business(es) currently in operation_Power & Energy	√			
45.	B_parentbus_ongoingxiii	Is the business(es) currently in operation_Others	√			
46.	B_parentbus_ongoingxiii.1	Others (specify)	√			
47.	B_ownbus	Have you ever owned a business?	√			
48.	B_ownbus_typei	What kind of business have you owned_Agro-allied	√			

TABLE A1 Variables across the four surveys (cont.)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
49.	B_ownbus_typeii	What kind of business have you owned_Automobile	√			
50.	B_ownbus_typeiii	What kind of business have you owned_Construction	√			
51.	B_ownbus_typeiv	What kind of business have you owned_Cosmetology	√			
52.	B_ownbus_typev	What kind of business have you owned_Culture and Tourism	√			
53.	B_ownbus_typevi	What kind of business have you owned_Environment	√			
54.	B_ownbus_typevii	What kind of business have you owned_Education	√			
55.	B_ownbus_typeviii	What kind of business have you owned ICT	√			
56.	B_ownbus_typeix	What kind of business have you owned_Food processing & preservation	√			
57.	B_ownbus_typex	What kind of business have you owned_Horticulture & Landscaping	√			
58.	B_ownbus_typexi	What kind of business have you owned_Film & Photography	√			

TABLE A1 Variables across the four surveys (cont.)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
59.	B_ownbus_typexii	What kind of business have you owned_Power & Energy	✓			
60.	B_ownbus_typexiii	What kind of business have you owned_Others	✓			
61.	B_ownbus_typexiii_1	Others (specify)	✓			
62.	B_ownbus_ongoing_agg-regated	Is the business currently in operation_Aggregated	✓			
63.	B_ownbus_ongoing_typei	Is the business currently in operation_Agro-allied	✓			
64.	B_ownbus_ongoing_typeii	Is the business currently in operation_Automobile	✓			
65.	B_ownbus_ongoing_typeiii	Is the business currently in operation_Construction	✓			
66.	B_ownbus_ongoing_typeiv	Is the business currently in operation_Cosmetology	✓			
67.	B_ownbus_ongoing_typev	Is the business currently in operation_Culture and Tourism	✓			
68.	B_ownbus_ongoing_typevi	Is the business currently in operation_Environment	✓			
69.	B_ownbus_ongoing_typevii	Is the business currently in operation_Education	✓			
70.	B_ownbus_ongoing_typeviii	Is the business currently in operation_ICT	✓			
71.	B_ownbus_ongoing_typeix	Is the business currently in operation_Food processing & preservation	✓			
72.	B_ownbus_ongoing_typer	Is the business currently in operation_Horticulture & Landscaping	✓			

TABLE A1 Variables across the four surveys (cont.)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
73.	B_ownbus_ongoing_typexi	Is the business currently in operation_Film & Photography	✓			
74.	B_ownbus_ongoing_typexii	Is the business currently in operation_Power & Energy	✓			
75.	B_ownbus_ongoing_typexiii	Is the business currently in operation_Others	✓			
76.	B_ownbus_ongoing_type xiii_1	Others (specify)	✓			
77.	B_ownbus_years	If yes to Q15, how long have you owned the business (in years)?_winsorized	✓			
78.	B_ownbus_inv	What is your level of involvement in the business?	✓			
79.	B_ownbus_motiv1	who or what motivated your involvement in the business_Parents	✓			
80.	B_ownbus_motiv2	who or what motivated your involvement in the business_Siblings/Relatives	✓			
81.	B_ownbus_motiv3	who or what motivated your involvement in the business_Personal interest	✓			
82.	B_ownbus_motiv4	who or what motivated your involvement in the business_Circumstances	✓			
83.	B_ownbus_motiv5	who or what motivated your involvement in the business_Peers	✓			

TABLE A1 Variables across the four surveys (*cont.*)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
84.	B_ownbus_motiv6	who or what motivated your involvement in the business_Desire to make (more) money	✓			
85.	B_ownbus_motiv7	who or what motivated your involvement in the business_Others	✓			
86.	B_ownbus_motiv7_1	Others (please specify)	✓			
87.	B_mentor	Do you have a mentor that guides you in the business?	✓			
88.	B_noownbus_whyi	If you never owned a business before, kindly provide a reason_I feel unable	✓			
89.	B_noownbus_whyii	If you never owned a business before, kindly provide a reason_I have no interest	✓			
90.	B_noownbus_whyiii	If you never owned a business before, kindly provide a reason_Lack of capital	✓			
91.	B_noownbus_whyiv	If you never owned a business before, kindly provide a reason_Business is risky	✓			
92.	B_noownbus_whyv	If you never owned a business before, kindly provide a reason_I have flare for something else	✓			
93.	B_noownbus_whyvi	If you never owned a business before, kindly provide a reason_Other reasons	✓			

TABLE A1 Variables across the four surveys (cont.)

s / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
94.	B_noownbus_whyvi_1	Other reasons (please specify)	✓			
95.	B_apprent	Have you ever been an apprentice at a business?	✓			
96.	B_apprent_typei	What kind of business_Agro-allied	✓			
97.	B_apprent_typeii	What kind of business_Automobile	✓			
98.	B_apprent_typeiii	What kind of business_Construction	✓			
99.	B_apprent_typeiv	What kind of business_Cosmetology	✓			
100.	B_apprent_typev	What kind of business_Culture and Tourism	✓			
101.	B_apprent_typevi	What kind of business_Environment	✓			
102.	B_apprent_typevii	What kind of business_Education	✓			
103.	B_apprent_typeviii	What kind of business_ICT	✓			
104.	B_apprent_typeix	What kind of business_Food processing and Preservation	✓			
105.	B_apprent_typex	What kind of business_Horticulture and Landscaping	✓			
106.	B_apprent_typexi	What kind of business_Film and Photography	✓			
107.	B_apprent_typexii	What kind of business_Power and Energy	✓			
108.	B_apprent_typexiii	What kind of business_Others	✓			

TABLE A1 Variables across the four surveys (cont.)

S/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
109.	B_apprent_typeiii.1	Others (Specify)	✓			
110.	B_learnapprent	If offered the opportunity, would you be willing to learn a business as an apprentice?	✓			
111.	B_apprententr	Do you think apprenticeship is useful as a way of increasing entrepreneurship and reducing unemployment among youths?	✓			
112.	B_entrcourse	Have you taken any entrepreneurship course before?	✓			
113.	B_entrcourse_typei	What was the nature of this course_core course as part of my degree studies	✓			
114.	B_entrcourse_typeii	What was the nature of this course_compulsory elective as per NUC/NBTE regulation	✓			
115.	B_entrcourse_typeiii	What was the nature of this course_optional elective in my school	✓			
116.	B_entrcourse_typeiv	What was the nature of this course_one-off course or event that I attended	✓			
117.	B_entrcourse_typev	What was the nature of this course_private arrangement that I made on my own	✓			
118.	B_entrcourse_typevi	What was the nature of this course_Others	✓			

TABLE A1 Variables across the four surveys (cont.)

		Surveys				
S/N	Variable	Label (in most cases, as in the questionnaire)	Baseline	Midline1	Midline2	Endline
119.	B_entrcourse_typevi_1	Others, Please specify	✓			
120.	PECS1	I look for things that need to be done	✓			
121.	PECS2	When faced with a difficult problem, I spend a lot of time trying to find a solution	✓			
122.	PECS3	I complete my work on time	✓			
123.	PECS4	It bothers me when things are not going well	✓			
124.	PECS5	I prefer situations in which I can control the outcomes at much as possible	✓			
125.	PECS6	I like to think about the future	✓			
126.	PECS7	When starting a new task or project, I gather a great deal of information before	✓			
127.	PECS8	I plan a large project by breaking it down into smaller tasks.	✓			
128.	PECS9	I get others to support my recommendations	✓			
129.	PECS10	I feel confident that I will succeed at whatever I try to do	✓			
130.	PECS11	No matter who I'm talking to, I'm a good listener	✓			
131.	PECS12	I do things that need to be done before being asked to, by others	✓			

TABLE A1 Variables across the four surveys (cont.)

		Surveys				
s/ N	Variable	Label (in most cases, as in the questionnaire)	Baseline	Midline1	Midline2	Endline
132.	PECS13	I try several times to get people to do what I would like them to do	✓			
133.	PECS14	I keep the promises I make	✓			
134.	PECS15	My own work is better than that of other people I work with	✓			
135.	PECS16	I don't try something new without making sure I will succeed	✓			
136.	PECS17	It's a waste of time to worry about what to do with your life	✓			
137.	PECS18	I seek advice of people who know a lot about the tasks I am working on	✓			
138.	PECS19	I think about the advantages and disadvantages of different ways of accomplishing things	✓			
139.	PECS20	I do not spend much time thinking about how to influence others	✓			
140.	PECS21	I change my mind if others disagree strongly with me.	✓			
141.	PECS22	I feel resentful when I don't get my way	✓			
142.	PECS23	I like challenges and new opportunities	✓			

TABLE A1 Variables across the four surveys (cont.)

		Surveys				
s/ N	Variable	Label (in most cases, as in the questionnaire)	Baseline	Midline1	Midline2	Endline
143.	PECS24	When something gets in the way of what I am trying to do, I keep on trying to accomplish what I want	✓			
144.	PECS25	I am happy to do someone else's work if necessary to get the job done on time	✓			
145.	PECS26	It bothers me when my time is wasted	✓			
146.	PECS27	In the past I have had failures	✓			
147.	PECS28	I weigh my chances of succeeding or failing before I decide to do something	✓			
148.	PECS29	The more specific I can be about what I want out of life, the more chance I have	✓			
149.	PECS30	I take action without wasting time gathering information	✓			
150.	PECS31	I try to think of all the problems I may encounter and plan what to do if each problem occurs	✓			
151.	PECS32	I get important people to help me accomplish my goals	✓			
152.	PECS33	When trying something difficult or challenging, I feel confident that I will succeed	✓			

TABLE A1 Variables across the four surveys (cont.)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
153.	PECS34	In the past I have had failures	✓			
154.	PECS35	I prefer activities that I know well and with which I am comfortable	✓			
155.	PECS36	When faced with major difficulties, I quickly go on to other things	✓			
156.	PECS37	When I am doing a job for someone, I make a special effort to make sure the person is happy with my work	✓			
157.	PECS38	I'm never entirely happy with the way in which things are done; I always think t	✓			
158.	PECS39	I do things that are risky	✓			
159.	PECS40	I have a very clear plan for my life	✓			
160.	PECS41	When working on a project for some time, I ask many questions to be sure I understand what the person wants	✓			
161.	PECS42	I deal with problems as they arise rather than spend time trying to anticipate them	✓			
162.	PECS43	In order to reach my goals I think of solutions that benefit everyone involved in a problem	✓			
163.	PECS44	I do very good work	✓			

TABLE A1 Variables across the four surveys (cont.)

		Surveys				
	Variable	Label (in most cases, as in the questionnaire)	Baseline	Midline1	Midline2	Endline
164.	PECS45	There have been occasions when I took advantage of someone	✓			
165.	PECS46	I try things that are very new and different from what I have done before	✓			
166.	PECS47	I try several ways to overcome things that get in the way of reaching my goals	✓			
167.	PECS48	My family and personal life are more important to me than work deadlines I set for myself	✓			
168.	PECS49	I find ways to complete tasks faster at work and at home	✓			
169.	PECS50	I do things that others consider risky	✓			
170.	PECS51	I am as concerned about meeting my weekly goals as I am for my yearly goals	✓			
171.	PECS52	I go to several different sources to get information to get help with tasks or projects	✓			
172.	PECS53	I am able to get people who have strong opinions or ideas to change their minds	✓			
173.	PECS54	I stick with my decisions even if others disagree strongly with me	✓			

TABLE A1 Variables across the four surveys (cont.)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
174.	PECS55	When I don't know something, I don't mind admitting it	✓			
175.	B_entrcontexti	I feel I have skills and knowledge I need to venture into business or entrepreneurship	✓			
176.	B_entrcontextii	I feel my family will support me if I decide to go into business rather than seeking a job	✓			
177.	B_entrcontextiii	I feel my family roles and responsibilities can have negative influence on my venturing into business	✓			
178.	B_entrcontextiv	I feel family roles and duties can reduce the time I dedicate to business and work	✓			
179.	B_entrcontextv	I think men can perform better in business than women	✓			
180.	B_entrcontextvi	I think women are rarely good business managers	✓			
181.	B_entrcontextvii	I think my family and friends will have the final say in my decision to start a business	✓			
182.	B_entrcontextviii	I feel my gender identity as a man or woman can affect my chances of accessing credits and loans, if I need one	✓			

TABLE A1 Variables across the four surveys (cont.)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
183.	B_entrcontextix	I feel the conditions for accessing loans and credits in Nigeria are fair to both men and women	✓			
184.	B_entrcontextx	I can take loans from formal sources (e.g. banks, microfinance) if I need to start or expand my business	✓			
185.	B_entrcontextxi	Decision making on how to use or invest my money is not subjected to influence from my family and friends	✓			
186.	B_entrcontextxii	The economic environment for operating businesses in Nigeria is more challenging for women	✓			
187.	B_entrcontextxiii	I feel both men and women in Nigeria have equal opportunity of starting a business or securing a job	✓			
188.	B_entrcontextxiv	I feel both men and women should have equal access, ownership and control of resources that can help in business start-up	✓			
189.	B_entrcontextxv	I think a woman's sole responsibility is to take care of the children and the husband	✓			
190.	B_entrcontextxvi	I think there are some businesses that only men should engage in	✓			

TABLE A1 Variables across the four surveys (cont.)

S/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
191.	B_entrcontextxvii	I think a woman should not be ambitious about work or starting a business	✓			
192.	B_entrcontextxviii	I am sure I will get the necessary support and resources from government if I want to start a business	✓			
193.	B_entrcontextxix	In Nigeria, the current state of services and facilities (e.g. childcare facilities, maternity leave)	✓			
194.	B_entrcontextxx	The current employment and enterprise development strategies in Nigeria (e.g. N-Power programme, YouWIN, Sure-P, etc) are well designed to take care of the needs of men and women	✓			
195.	M1_oncampsaed	Did you participate in the NYSC's SAED programme during your orientation exercise on the camp?		✓		
196.	M1_oncampsaed_typei	What kind of business did you enrol on the camp_Agro-allied		✓		
197.	M1_oncampsaed_typeii	What kind of business did you enrol on the camp_Construction		✓		
198.	M1_oncampsaed_typeiii	What kind of business did you enrol on the camp_Automobile		✓		

TABLE A1 Variables across the four surveys (cont.)

S / N	Variable	Label (in most cases, as in the questionnaire)	Surveys		
			Baseline	Midline1	Midline2 Endline
199.	M1_oncampsaed_typeiv	What kind of business did you enrol on the camp_ Culture and Tourism	✓		
200.	M1_oncampsaed_typev	What kind of business did you enrol on the camp_Education	✓		
201.	M1_oncampsaed_typevi	What kind of business did you enrol on the camp_Cosmetology	✓		
202.	M1_oncampsaed_typevii	What kind of business did you enrol on the camp_Environment	✓		
203.	M1_oncampsaed_typeviii	What kind of business did you enrol on the camp_ Food processing and Preservation	✓		
204.	M1_oncampsaed_typeix	What kind of business did you enrol on the camp_ ICT	✓		
205.	M1_oncampsaed_typex	What kind of business did you enrol on the camp_ Horticulture and Landscaping	✓		
206.	M1_oncampsaed_typexi	What kind of business did you enrol on the camp_ Film & Photography	✓		
207.	M1_oncampsaed_typexii	What kind of business did you enrol on the camp_ Power & Energy	✓		

TABLE A1 Variables across the four surveys (cont.)

s/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
208.	M1_oncampsaed_typexiii	What kind of business did you enrol on the camp_Others	✓			
209.	M1_oncampsaed_typexiii_1	Others (specify)	✓			
210.	M1_rateoncampsaed	How would you rate the overall quality of on-camp SAED training?	✓			
211.	M1_rateoncampsae di	Rate the following aspects of the on-camp SAED training_Trainer	✓			
212.	M1_rateoncampsae dii	Rate the following aspects of the on-camp SAED training_Frequency of Training	✓			
213.	M1_rateoncampsae diii	Rate the following aspects of the on-camp SAED training_Time of Training	✓			
214.	M1_rateoncampsae di v	Rate the following aspects of the on-camp SAED training_Distance	✓			
215.	M1_rateoncampsae d v	Rate the following aspects of the on-camp SAED training_Cost	✓			
216.	M1_rateoncampsae d vi	Rate the following aspects of the on-camp SAED training_Facilities	✓			
217.	postcampsaed	Are you currently enrolled in the NYSC's SAED programme post-camp?	✓			✓

TABLE A1 Variables across the four surveys (*cont.*)

S / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
218.	postcampsaed_typei	What kind of business are you enrolled in post-camp_Agro-allied	✓	✓	✓	✓
219.	postcampsaed_typeii	What kind of business are you enrolled in post-camp_Construction	✓	✓	✓	✓
220.	postcampsaed_typeiii	What kind of business are you enrolled in post-camp_Automobile	✓	✓	✓	✓
221.	postcampsaed_typeiv	What kind of business are you enrolled in post-camp_Culture and Tourism	✓	✓	✓	✓
222.	postcampsaed_typev	What kind of business are you enrolled in post-camp_Education	✓	✓	✓	✓
223.	postcampsaed_typevi	What kind of business are you enrolled in post-camp_Cosmetology	✓	✓	✓	✓
224.	postcampsaed_typevii	What kind of business are you enrolled in post-camp_Environment	✓	✓	✓	✓
225.	postcampsaed_typeviii	What kind of business are you enrolled in post-camp_Food processing & preservation	✓	✓	✓	✓
226.	postcampsaed_typeix	What kind of business are you enrolled in post-camp_ICT	✓	✓	✓	✓
227.	postcampsaed_typex	What kind of business are you enrolled in post-camp_Horticulture & Landscaping	✓	✓	✓	✓

TABLE A1 Variables across the four surveys (cont.)

S / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
228.	postcampsaed_typexi	What kind of business are you enrolled in post-camp_Film & Photography	✓	✓	✓	✓
229.	postcampsaed_typexii	What kind of business are you enrolled in post-camp_Power & Energy	✓	✓	✓	✓
230.	postcampsaed_typexiii	What kind of business are you enrolled in post-camp_Others	✓	✓	✓	✓
231.	postcampsaed_typexiv	What kind of business are/were you enrolled in post-camp_Fashion design	✓	✓	✓	✓
232.	postcampsaed_typexiii.1	Others (specify)	✓	✓	✓	✓
233.	nopostcampsaed_whyi	If you answered No to Q12, provide the most important reasons_I am not interested	✓	✓	✓	✓
234.	nopostcampsaed_whyii	If you answered No to Q12, provide the most important reasons_There is no trainer close enough to my location	✓	✓	✓	✓
235.	nopostcampsaed_whyiii	If you answered No to Q12, provide the most important reasons_The training is too costly	✓	✓	✓	✓
236.	nopostcampsaed_whyiv	If you answered No to Q12, provide the most important reasons_I do not have enough time	✓	✓	✓	✓

TABLE A1 Variables across the four surveys (cont.)

s / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
237.	nopostcampsaed_whyv	If you answered No to Q12, provide the most important reasons_ I cannot find the business I am interested in around my LGA	✓	✓	✓	✓
238.	nopostcampsaed_whyvi	If you answered No to Q12, provide the most important reasons_ The business I am interested in is not available in the SAED programme	✓	✓	✓	✓
239.	nopostcampsaed_whyvii	If you answered No to Q12, provide the most important reasons_ Other reasons	✓	✓	✓	✓
240.	nopostcampsaed_whyvii_1	Other reasons (please specify)	✓	✓	✓	✓
241.	ratepostcampsaed	How would you rate the overall quality of apprenticeship training?	✓	✓	✓	✓
242.	ratepostcampsaedi	Rate the following aspects of the post-camp SAED training_ Trainer	✓	✓	✓	✓
243.	ratepostcampsaedii	Rate the following aspects of the post-camp SAED training_ Frequency of Training	✓	✓	✓	✓
244.	ratepostcampsaedvii	Rate the following aspects of the post-camp SAED training_ Duration of Training	✓	✓	✓	✓

TABLE A1 Variables across the four surveys (cont.)

		Surveys				
S/N	Variable	Label (in most cases, as in the questionnaire)	Baseline	Midline1	Midline2	Endline
245.	ratepostcampsaediii	Rate the following aspects of the post-camp SAED training_Day/Time of Training	✓	✓	✓	✓
246.	ratepostcampsaediv	Rate the following aspects of the post-camp SAED training_Distance	✓	✓	✓	✓
247.	ratepostcampsaedv	Rate the following aspects of the post-camp SAED training_Cost	✓	✓	✓	✓
248.	ratepostcampsaedvi	Rate the following aspects of the post-camp SAED training_Facilities	✓	✓	✓	✓
249.	ratepostcampsaedviii	Rate the following aspects of the post-camp SAED training_Training manual	✓	✓	✓	✓
250.	ratepostcampsaedix	Rate the following aspects of the post-camp SAED training_Training content	✓	✓	✓	✓
251.	ratepostcampsaedx	Rate the following aspects of the post-camp SAED training_Training environment	✓	✓	✓	✓
252.	EI	Are you interested in starting a new business of your own?	✓	✓	✓	✓
253.	rateEI	Rate your level of interest in starting a new business	✓	✓	✓	✓

TABLE A1 Variables across the four surveys (cont.)

S / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
254.	EI_motivatori	Who or what motivated your interest in starting a new business_SAE D		✓		
255.	EI_motivatorii	Who or what motivated your interest in starting a new business_Parent		✓		
256.	EI_motivatoriii	Who or what motivated your interest in starting a new business_Siblings/Relative		✓		
257.	EI_motivatoriv	Who or what motivated your interest in starting a new business_Personal interest		✓		
258.	EI_motivatorv	Who or what motivated your interest in starting a new business_Events		✓		
259.	EI_motivatorvi	Who or what motivated your interest in starting a new business_Peers		✓		
260.	EI_motivatorvii	Who or what motivated your interest in starting a new business_Others		✓		
261.	EI_motivatorviii	Others (specify)			✓	
262.	busplan	Do you have a written business plan?	✓		✓	
263.	noEI_whyi	If you are not interested in starting a business, kindly provide a reason_I feel unable	✓		✓	

TABLE A1 Variables across the four surveys (cont.)

S / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
264.	noEI_whyii	If you are not interested in starting a business, kindly provide a reason_ I have no interest	✓	✓	✓	✓
265.	noEI_whyiii	If you are not interested in starting a business, kindly provide a reason_Lack of capital	✓	✓	✓	✓
266.	noEI_whyiv	If you are not interested in starting a business, kindly provide a reason_Business is risky	✓	✓	✓	✓
267.	noEI_whyv	If you are not interested in starting a business, kindly provide a reason_ I have flair for something else	✓	✓	✓	✓
268.	noEI_whyvi	If you are not interested in starting a business, kindly provide a reason_Other reasons	✓	✓	✓	✓
269.	noEI_whyvi_1	Other reasons (please specify)	✓	✓	✓	✓
270.	entrcourse	Did you take any entrepreneurship course apart from SAED since graduation?		✓	✓	✓
271.	entrcourse_typei	What was the nature of this course_A one-off course or event that I attended		✓		✓
272.	entrcourse_typeii	What was the nature of this course_A private arrangement that I made on my own		✓		✓
273.	entrcourse_typeiii	What was the nature of this course_Others		✓		✓

TABLE A1 Variables across the four surveys (*cont.*)

s / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
274.	entrcourse_typeiii_1	Others (specify)				
275.	postnyscentrcourse	Have you taken any entrepreneurship course since passing out from the NYSC?	✓	✓		✓
276.	postnyscentrcourse_typei	What was the nature of this course (post-service)_A one-off course or event that I attended				✓
277.	postnyscentrcourse_typeii	What was the nature of this course (post-service)_A private arrangement that I made on my own				✓
278.	postnyscentrcourse_typeiii	What was the nature of this course (post-service)_Others				✓
279.	postnyscentrcourse_typeiii_1	Others (specify)				✓
280.	entrcourse_hindrance	Do your family roles or responsibilities affect your ability to take any entrepreneurship course or training?				✓
281.	completedsaed_i	Did you complete the SAED programme?				✓
282.	completedsaed_ii	Did you complete it in the same business you enrolled in at the start?				✓
283.	completedsaed_typei	What kind of business did you complete your SAED training in_Agroallied				✓

TABLE A1 Variables across the four surveys (*cont.*)

S / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
284.	completedsaed_typeiii	What kind of business did you complete your SAED training in_Automobile				✓
285.	completedsaed_typeii	What kind of business did you complete your SAED training in_Construction				✓
286.	completedsaed_typevi	What kind of business did you complete your SAED training in_Cosmetology				✓
287.	completedsaed_typeiv	What kind of business did you complete your SAED training in_Culture & Tourism				✓
288.	completedsaed_typevii	What kind of business did you complete your SAED training in_Energy & Environment				✓
289.	completedsaed_typev	What kind of business did you complete your SAED training in_Education				✓
290.	completedsaed_typeviii	What kind of business did you complete your SAED training in_Food processing & preservation				✓
291.	completedsaed_typeix	What kind of business did you complete your SAED training in_ICT				✓
292.	completedsaed_typedx	What kind of business did you complete your SAED training in_Horticulture & Landscapping				✓

TABLE A1 Variables across the four surveys (cont.)

s/ N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
293.	completedsaed_typexi	What kind of business did you complete your SAED training in_Film & Photography				✓
294.	completedsaed_typexii	What kind of business did you complete your SAED training in_Power & Energy				✓
295.	completedsaed_typexiv	What kind of business did you complete your SAED training in_Fashion design				✓
296.	completedsaed_typexiii	What kind of business did you complete your SAED training in_Others				✓
297.	completedsaed_typexiii_1	Others (specify)				✓
298.	postnyscbus_likelihood	Please rate the likelihood of starting your own business within one year after passing out from NYSC			✓	
299.	postnyscbus_likelychallngi	What challenges do you think you might face in starting your own business after passing out_Lack of capital			✓	
300.	postnyscbus_likelychallngii	What challenges do you think you might face in starting your own business after passing out_Competition from existing businesses			✓	
301.	postnyscbus_likelychallngiii	What challenges do you think you might face in starting your own business after passing out_Competition from new businesses			✓	

TABLE A1 Variables across the four surveys (cont.)

S/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
302.	postnyscbus_likelychallngiv	What challenges do you think you might face in starting your own business after passing out_I do not think I am confident enough		✓		
303.	postnyscbus_likelychallngv	What challenges do you think you might face in starting your own business after passing out_I do not think I have enough business skills		✓		
304.	postnyscbus_likelychallngvi	What challenges do you think you might face in starting your own business after passing out_Other reasons		✓		
305.	postnyscbus_likelychallngvi_1	Others (specify)		✓		
306.	busin5years	Please rate the likelihood of starting your own business within the next five years				✓
307.	postnyscbusiness	Do you now run a business of your own?				✓
308.	postnyscbusiness_typei	What kind of business do you now run_Agroallied				✓
309.	postnyscbusiness_typeiii	What kind of business do you now run_Automobile				✓
310.	postnyscbusiness_typeii	What kind of business do you now run_Construction				✓

TABLE A1 Variables across the four surveys (*cont.*)

s / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
311.	postnyscbusiness_typevi	What kind of business do you now run_Cosmetology				✓
312.	postnyscbusiness_typeiv	What kind of business do you now run_Culture & Tourism				✓
313.	postnyscbusiness_typevii	What kind of business do you now run_Energy & Environment				✓
314.	postnyscbusiness_typev	What kind of business do you now run_Education				✓
315.	postnyscbusiness_typeviii	What kind of business do you now run_Food processing & preservation				✓
316.	postnyscbusiness_typeix	What kind of business do you now run_ICT				✓
317.	postnyscbusiness_typex	What kind of business do you now run_Horticulture & Landscapping				✓
318.	postnyscbusiness_typexi	What kind of business do you now run_Film & Photography				✓
319.	postnyscbusiness_typexii	What kind of business do you now run_Power & Energy				✓
320.	postnyscbusiness_typexiv	What kind of business do you now run_Fashion design				✓
321.	postnyscbusiness_typexiii	What kind of business do you now run_Others				✓

TABLE A1 Variables across the four surveys (cont.)

S / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
322.	postnyscbusiness_typedixiii_1	Others (specify)				✓
323.	postnyscbusiness_motivatori	Who or what motivated you to start the business_SAEED				✓
324.	postnyscbusiness_motivatortii	Who or what motivated you to start the business_Parent				✓
325.	postnyscbusiness_motivatortiii	Who or what motivated you to start the business_Siblings/Relatives				✓
326.	postnyscbusiness_motivatortiv	Who or what motivated you to start the business_Personal interest				✓
327.	postnyscbusiness_motivatortv	Who or what motivated you to start the business_Events				✓
328.	postnyscbusiness_motivatortvi	Who or what motivated you to start the business_Peers				✓
329.	postnyscbusiness_motivatortvii	Who or what motivated you to start the business_Others				✓
330.	postnyscbusiness_motivatortviii_1	Others (specify)				✓
331.	postnyscbusiness_challengei	What challenges did you face in starting this business_Lack of capital				✓

TABLE A1 Variables across the four surveys (*cont.*)

S / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
332.	postnyscbusiness_challengeii	What challenges did you face in starting this business_Competition from existing businesses				✓
333.	postnyscbusiness_challengeiii	What challenges did you face in starting this business_Competition from new businesses				✓
334.	postnyscbusiness_challengeiv	What challenges did you face in starting this business_I do not think I am confident enough				✓
335.	postnyscbusiness_challengev	What challenges did you face in starting this business_I do not think I have enough business skills				✓
336.	postnyscbusiness_challengevi	What challenges did you face in starting this business_Others				✓
337.	postnyscbusiness_challengevi_1	Others (specify)				✓
338.	postnyscbusiness_when	When did the business start?				✓
339.	postnyscbusiness_employeesi	Apart from yourself, does your business have any employees?				✓
340.	postnyscbusiness_employeesii	How many employees does your business have?				✓
341.	postnyscbusiness_employeesiii	How many of these employees work full time?				✓

TABLE A1 Variables across the four surveys (cont.)

S/N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
342.	postnysbusiness_ability	Do your family roles or responsibilities have any negative influence on your ability to run your business?				✓
343.	postnysbusiness_norms	Do you feel the prevailing norms and beliefs in the society support the running of your business?				✓
344.	postnysbusiness_support	Do you think the current state of support services and facilities (e.g. childcare facilities, health insurance) are adequate to support you in running your business?				✓
345.	postnyscjob	Do you currently have a paid job? (Not the same as your own business if you have one)				✓
346.	postnyscjob_fulltime	Is it a full time job?				✓
347.	postnyscjob_benefiti	Please indicate which of the following benefits you get as part of your job_Pension				✓
348.	postnyscjob_benefitii	Please indicate which of the following benefits you get as part of your job_Health insurance				✓
349.	postnyscjob_benefitiii	Please indicate which of the following benefits you get as part of your job_Others				✓
350.	postnyscjob_benefitiii_1	Others (specify)				✓

TABLE A1 Variables across the four surveys (cont.)

s / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
351.	postnyscEI	Are you presently interested in starting your own business (post-service)?				✓
352.	ratepostnyscEI	Please rate your level of interest in starting a new business (post-service)				✓
353.	postnyscEI_motivatori	Who or what motivated your interest in starting the new business_SAED				✓
354.	postnyscEI_motivatorii	Who or what motivated your interest in starting the new business_Parent				✓
355.	postnyscEI_motivatoriii	Who or what motivated your interest in starting the new business_Siblings/Relatives				✓
356.	postnyscEI_motivatoriv	Who or what motivated your interest in starting the new business_Personal interest				✓
357.	postnyscEI_motivatorv	Who or what motivated your interest in starting the new business_Events				✓
358.	postnyscEI_motivatorvi	Who or what motivated your interest in starting the new business_Peers				✓
359.	postnyscEI_motivatorvii	Who or what motivated your interest in starting the new business_Others				✓
360.	postnyscEI_motivatorviii_1	Others (specify)				✓

TABLE A1 Variables across the four surveys (cont.)

s / N	Variable	Label (in most cases, as in the questionnaire)	Surveys			
			Baseline	Midline1	Midline2	Endline
361.	postnysc_busplan	Do you have a written business plan (post-service)?				✓
362.	postnyscnoEI_whyi	If you are not interested in starting a business (post-service), kindly provide a reason_I feel unable				✓
363.	postnyscnoEI_whyii	If you are not interested in starting a business (post-service), kindly provide a reason_I have no interest				✓
364.	postnyscnoEI_whyiii	If you are not interested in starting a business (post-service), kindly provide a reason_Lack of capital				✓
365.	postnyscnoEI_whyiv	If you are not interested in starting a business (post-service), kindly provide a reason_Business is risky				✓
366.	postnyscnoEI_whyv	If you are not interested in starting a business (post-service), kindly provide a reason_I have flair for something else				✓
367.	postnyscnoEI_whyvi	If you are not interested in starting a business (post-service), kindly provide a reason_Other reasons				✓
368.	postnyscnoEI_whyvi_1	Others (specify)				✓