

**OLABISI ONABANJO UNIVERSITY, AGO-IWOYE, NIGERIA**  
FORMAT B (PART 1)  
**CURRICULUM VITAE AND ANNUAL APPRAISAL SHEET FOR ACADEMIC  
STAFF FOR FULL APPRAISAL 2018**

**A. PERSONAL DATA**

1. **Name:** OGUNYINKA, Peter Ibikunle
2. **Department:** Mathematical Sciences
3. **Faculty:** Science
4. **University Web Domain E-mail Address:** ogunyinka.peter@oouagoiwoye.edu.ng
5. **Date and Place of Birth:** 13th of May, 1980; Oru-Ijebu, Ogun State
6. **Nationality:** Nigerian
7. **Marital Status:** Married
8. **No. of Children/Ages:** 3 (8 Years, 6 Years and 4 Years)
9. **Name and Address of Spouse:** Mrs. A. V. Ogunyinka; 2 Dehinbo Buki-Ope Street, Off Bale Street, Mariam Juncture, Ago-Iwoye
10. **Name and Address of Next of Kin:** Mrs. A. V. Ogunyinka; 2 Dehinbo Buki-Ope Street, Off Bale Street, Mariam Juncture, Ago-Iwoye
11. **Date of First Appointment with the University:** September 5, 2012
12. **Status of First Appointment and Salary:** Assistant Lecturer: CONUASS 02 Step 1
13. **Present Position And Salary:** Lecturer II: CONUASS 03 Step 3
14. **Date of Last Promotion/Regrading:** October 1, 2015
15. **Date of Confirmation of Appointment:** April 3, 2018
16. **If Not Confirmed, Why?** Nil
17. **Period of Present Contract:** Nil
18. **Total Number of Years of Teaching and Research:**
  - (a) Polytechnic/College of Education: Nil
  - (b) University: 6 Years

**B. EDUCATIONAL BACKGROUND**

**1. Academic Qualifications/Institutions Attended (With Dates)**

- a. M.Sc. (Statistics), University of Ibadan, Oyo State, Nigeria 2007-2009
- b. B. Sc. (Statistics), Olabisi Onabanjo University, Ago-Iwoye, Nigeria 2000-2005
- c. Diploma (Data Processing), Olabisi Onabanjo University, Ago-Iwoye, Nigeria 1999-2000

**2. Current Higher Degree Programme Registered for (if any):**

- a. Ph.D. in statistics, University of Ibadan, Oyo State, Nigeria 2012 –till date

**3. Awards and Distinctions**

- a. Outstanding Personality, Nigeria Federation of Catholic Students (NFCS), Olabisi Onabanjo University, Ago-Iwoye. July, 2017
- b. Most Dedicated and Most Discipline, Nigeria Federation of Catholic Students (NFCS), Olabisi Onabanjo University, Ago-Iwoye. October, 2014

**C. WORK EXPERIENCE**

**1. Previous Work Experience Outside the University System:**

- i. St. Mary’s Catholic Eye Hospital, Ago-Iwoye, Ogun State 2009 – 2012

**2. Previous Work Experience in Other University:**

Nil

**3. Work Experience at Olabisi Onabanjo University**

**i. Teaching Functions**

- a. Assistant Lecturer 2012 – 2015
- b. Lecturer II 2015 – till date

**ii. Courses taught in the last three (3) Sessions:**

**Undergraduate**

**2015/2016 ACADEMIC SESSION: *Harmattan Semester***

<b>Course</b>	<b>Course Title</b>	<b>Unit</b>
STA 211	Probability I	2
STA 341	Sampling Theory and Survey Method	3
STA 351	Demography	2
STA 441	Sampling Theory and Survey Method	3

**2015/2016 ACADEMIC SESSION: *Rain Semester***

<b>Course</b>	<b>Course Title</b>	<b>Unit</b>
CMP 104	Introduction to Computer Programming	2
GNS 102	Use of Computer	2
STA 212	Probability II	3
STA 352	Laboratory and Fieldwork for Demography	2
STA 342	Laboratory and Fieldwork for Sample Survey	3

**2016/2017 ACADEMIC SESSION: *Harmattan Semester***

<b>Course</b>	<b>Course Title</b>	<b>Unit</b>
CMP 311	Computer Graphics and Simulation	2
STA 211	Probability I	2
STA 231	Statistical Inference II	3
STA 341	Sampling Theory and Survey Method	3
STA 351	Demography	2
STA 441	Sampling Theory and Survey Method	3

<b>2016/2017 ACADEMIC SESSION:</b>		<i>Rain Semester</i>	
<b>Course</b>	<b>Course Title</b>		<b>Unit</b>
GNS 102	Use of Computer		2
STA 342	Laboratory and Fieldwork for Sample Survey		3
STA 352	Laboratory and Fieldwork for Demography		2

<b>2017/2018 ACADEMIC SESSION:</b>		<i>Harmattan Semester</i>	
<b>Course</b>	<b>Course Title</b>		<b>Unit</b>
STA 101	Elementary Statistics		2
STA 231	Statistical Inference II		3
STA 341	Sampling Theory and Survey Method		3
STA 351	Demography		2
STA 441	Sampling Theory and Survey Method		3
STA 443	Social and Economic Statistics		3
CMP 311	Computer Graphics and Simulation		2

<b>2017/2018 ACADEMIC SESSION:</b>		<i>Rain Semester</i>	
<b>Course</b>	<b>Course Title</b>		<b>Unit</b>
GNS 102	Use of Computer		2
STA 132	Laboratory and Fieldwork for Statistical Inference I		2
STA 342	Laboratory and Fieldwork for Sample Survey		3
STA 352	Laboratory and Fieldwork for Demography		2

**b. Current Undergraduate Project Supervision**

1. Odewusi, T. A. Statistical Analysis of the Purchasing Power of Undergraduate Students on Educational Materials. A case study of Olabisi Onabanjo University.
2. Soneye, T. A. Statistical Analysis of Undergraduate Students' Attitudinal Behaviour towards Mathematical related disciplines. A case study of Olabisi Onabanjo University.
3. Odejebi, A. O. Statistical Examination of Automated Teller Machine (ATM) Card Security among the Undergraduate Students.

**iii. Research (Completed/ On-going)**

1. Generalized Mixture Estimators in Two-Phase Sampling using Multi-Auxiliary Characteristics for Full and No Information Cases (FIC and NIC) (On going).
2. Generalized Mixture Estimators in Two-Phase Sampling using Multi-Auxiliary Characteristics for Partial Information Cases I and II (PIC-I and PIC-II) (On going).

**iv. Administrative Functions and Contribution to the University**

1. Assistant Coordinator, Diploma in Data Processing (DDP) Programme 2014- 2016
2. Assistant Course level Advisor 2015
3. Secretary, Committee for the Establishment of Research/Data Analysis Group 2016
4. Result computation for some levels of Statistics, Mathematics and Computer Science 2016- 2017
5. Secretary, Departmental Meeting, Board of Examiners 2016-2017
6. Departmental Time-table Officer (D.T.O.) 2018 - Till date
7. Course level Advisor (100 level Statistics) 2018 - Till date

## v Contribution to the Nation

1. **Chairman, Local Organising Committee (LOC),**  
2017 Parish Harvest Thanksgiving and Bazaar, St. Michael Catholic Church, Oke-Padre, Ago-Iwoye, Ogun State.
2. **Chairman, Local Organising Committee (LOC),**  
2018 Parish Harvest Thanksgiving and Bazaar St. Michael Catholic Church, Oke-Padre, Ago-Iwoye, Ogun State.

## D. MEMBERSHIP AND REGISTRATION WITH PROFESSIONAL BODIES:

- i. Nigerian Association of Mathematical Physics (NAMP)
- ii. The Nigerian Mathematical Society (NMS)
- iii. International Statistical Institute (ISI) (Membership Number: **16479**) [www.isi-web.org](http://www.isi-web.org)

## E. PUBLICATIONS

- i. **Theses/Dissertations**
  - a. **Ogunyinka, P. I.** (2004). Application of Chi-Square Technique for the Determination of the Comparative Production Level of Two Fruit Drink Products: A Case study of Chivita and Caprisonne in Chi Limited, Isolo, Lagos State. Unpublished B.Sc. Project submitted to the Department of Mathematical Sciences, Olabisi Onabanjo University, Ago-Iwoye.
  - b. **Ogunyinka, P. I.** (2009). Efficiency of Ratio and Regression Estimators Using Double Sampling. M.Sc. Thesis, University of Ibadan, Ibadan, Nigeria.
- ii. **Books:** Nil
- iii. **Monographs:** Nil
- iv. **Published Journal Articles**
  1. **Ogunyinka, P. I.** and Sodipo, A. A. (2013): Efficiency of Ratio and Regression Estimators Using Double Sampling. *Journal of Natural Sciences Research*; 3(7): ISSN: 2224-3186(Print) ISSN 2225-0921, 201-207. **United States of America (USA).**
  2. Agunbiade, D. A. and **Ogunyinka, P. I.** (2013): Effect of Correlation Level on the Use of Auxiliary Variable in Double Sampling for Regression. *Open Journal of Statistics*; 3(5): ISSN: 2161-718, 312-318. **United States of America (USA).**
  3. Agunbiade, D. A. and **Ogunyinka, P. I.** (2014): Sufficiency and Adequacy of the t-ratio in determining the presence of Multicollinearity in Regression Model. *Pensee Journal*; 76(5): 157-167. <http://www.penseejournal.com>. **France.**
  4. **Ogunyinka, P. I.** and Badmus, N. I. (2014): Optimizing Transformation for Linearity between Online Software Repository Variables. *Mathematical Theory and Modelling*; 4(9): ISSN: 2224-5804, 205-210. [www.iiste.org](http://www.iiste.org). **United States of America.**
  5. **Ogunyinka, P. I.** and Sodipo, A. A. (2014): Estimating Total Software End-Users On Online Repository: A Double Sampling Approach. *Journal of Nigerian Association of Mathematical Physics*; 28(2), 251-256. **Nigeria.**

### Published Journal Articles (Continuation)

- \*6. **Ogunyinka, P. I.**, Agunbiade, D. A. and Oniyide, O. R. (2016). Deficiency of Ridge Regression in Double Sampling for Regression Using Two Auxiliary Variables. *African Journal of Science and Nature*, Olabisi Onabanjo University, 2, 15-23, ISSN 2536-6904, <http://journals.oouagoiwoye.edu.ng/v2/index.php/AJSN>, **Nigeria**.
- \*7. Agunbiade, D. A., **Ogunyinka, P. I.**, Shaba, Ibukun and Olaitan, O. Olaoye (2016). On The Use Of Double Sampling Method In Analysing Internally Generated Revenue: A Case Study Of Olabisi Onabanjo University. *African Journal of Science and Nature*, Olabisi Onabanjo University, 2, 12-15, ISSN 2536-6904. <http://journals.oouagoiwoye.edu.ng/v2/index.php/AJSN>, **Nigeria**.
- \*\*8. Agunbiade, D. A., Folorunso, S. O., Abdullah, K-K. A. and **Ogunyinka, P. I.** (2017): Two Phase sampling for stratification: Application to Software Industry. *Annals. Computer Science Series*, Tibiscus University of Timisoara 15(2) 56-61, ISSN: 1583-7165 [www.anale-informatica.tibiscus.ro](http://www.anale-informatica.tibiscus.ro). **Romania**.
- v. **Short Communication**
- \*9. **Ogunyinka, P. I.** and Sodipo, A. A. (2017). Extension Of Information Cases On Mixture Ratio Estimators Using Multi-Auxiliary Variables And Attributes In Two-Phase Sampling. *Transactions of the Nigerian Association of Mathematical Physics*. 4(July): 237-250. **Nigeria**.
- vi. **Papers Accepted for Publications (With Letters of Acceptance):** Nil
- vii. **Contributions to Books:**
- \*10. **Ogunyinka, P. I.**, Folorunso, S. O., Taiwo, A. I., Olurinola, O. D. and Ogunyinka, Paul. I. (2018): On the use of Two-phase sampling Strategy in the Assessment of free-and-open-source Educational Software Usage. *Contemporary issues in Mathematical Sciences*, 1: 107-114. **Nigeria**.
- viii. **Published Conference Proceedings:**
11. **Ogunyinka, P. I.** and Badmus, N. I. (2014). Efficient Linearity of Online Software Repository Variables. *iSTEAM Research Nexus Conference*, Afe Babalola University, Ado-Ekiti. Series 5, 453-458. **Nigeria**.
- \*12. **Ogunyinka, P. I.** and Sodipo, A. A. (2017). Extension of Information Cases on Mixture Ratio-cum-Product Estimators using Multi-Auxiliary Variables and Attributes in Two-Phase Sampling. *First International Statistical Conference, Nigerian Statistical Association (NSA)*, Federal College of Education (Technical), Akoka, Lagos State. September 6-8. **Nigeria**.
- ix. **Technical Reports:** Nil
- x. **Manuscripts Submitted for Publication** Nil
- Note:**  
\* National publication since the last promotion.  
\*\* International publication since the last promotion.

## **F. CONFERENCE/WORKSHOPS ATTENDED WITH DATES WITH PAPERS READ**

### **i. Conferences:**

1. Women in Data Science Conference, Olabisi Onabanjo University, Ago-Iwoye, June 20, 2018.
2. A-Day Symposium in honour of Professor O. Otolorin, Olabisi Onabanjo University, Ago-Iwoye. June 28, 2018.
3. First International Conference of Faculty of Science, Olabisi Onabanjo University, Ago-Iwoye. May 15 - 19, 2017.
4. First International Statistical Conference, Nigerian Statistical Association (NSA), Federal College of Education, Akoka, Lagos State. September 6-8, 2017.
5. Microsoft Innovative Educator Expert National Forum, Microsoft Nigeria, Lagos. January 29-31, 2016.
6. 2014 iSTEAMs Research Nexus Conference held at Afe Babalola University, Ado-Ekiti. May 29 - 31, 2014.
7. 25th Annual Conference and Congress of Nigerian Association of Mathematical Physics held at Olabisi Onabanjo University, Ago-Iwoye. November 4 - 7, 2014.
8. 32nd Annual Conference of Nigerian Mathematical Society (NMS) held at Obafemi Awolowo University, Ile-Ife, Osun State. June 25 - 28, 2013.

### **ii. Workshop**

1. Integrated Hospital Management System (IHMS) Software. ARAVIND Eye Hospital, Madurai, India. July - August, 2009.
2. Family and Human Life Facilitator Formation Workshop. Institute of Marriage and Family. Catholic Diocese of Ijebu-Ode, Ogun state. January 28, 2017 – January 28, 2018.
3. Survey Process Design Workshop. Royal Statistical Society Nigeria Local Group, Department of Statistics, FUNAAB and Nigerian Statistical Association (NSA), Ogun State Chapter. January 16, 2019.

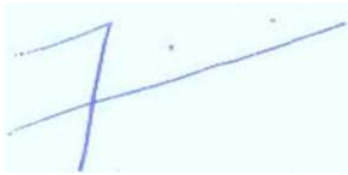
## **G. CONTRIBUTIONS TO NATIONAL AND INTERNATIONAL LIFE**

### **i. Within the University**

1. Member, Man O' War Club Statesmen Forum, Olabisi Onabanjo University, Ago-Iwoye.

**ii. Outside the University**

1. Microsoft Innovative Educator Expert (MIEE) Nigeria  
MIEE is a Microsoft Certified Educator Expert for the implementation of Information Technology tools in improving learning and teaching in Nigerian Schools.
2. Chairman, Local Organising Committee (LOC),  
2017 Parish Harvest Thanksgiving and Bazaar, St. Michael Catholic Church, Oke-Padre, Ago-Iwoye, Ogun State.
3. Chairman, Local Organising Committee (LOC),  
2018 Parish Harvest Thanksgiving and Bazaar, St. Michael Catholic Church, Oke-Padre, Ago-Iwoye, Ogun State.



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**Signature**

**08-03-2019**

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**Date**

## **H. CONTRIBUTION TO KNOWLEDGE**

The focus of my research has been on Sample Survey with special attention on the use of two-phase sampling for ratio, regression and product estimators when the cost of survey is high yet significant estimate is expected. My research experience has maximized on the use of availability of auxiliary qualitative character (attribute) and auxiliary quantitative character (variable) at both first and second phase sampling. I have extended many existing estimators in two-phase sampling in order to accommodate many other variables and attributes. These extended estimators also provide efficient alternative choice when assumptions on the use of the existing estimators fail. Similarly, I have established few new estimators in two-phase sampling for ratio, regression and product estimators in two-phase sampling that maximize the presence of multi-auxiliary attributes and variables in an estimator. The inclusion of qualitative multi-auxiliary characters (attributes) into new estimators to establish new two-phase sampling estimators has generated estimator complexity. I have provided solutions to the surge of estimator complexity by introducing estimator schema.

I have extended the application of two-phase sampling method to the maintenance of household income, the maintenance of online software repository and on the use of Free and Open Source Software (FOSS) to the improvement of educational system. Similarly, two-phase sampling method has been used for the estimation of Internally Generated Revenue (IGR) by Institutions based on the undergraduate students' financial purchasing power on campus.



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**Signature**

**08-03-2019**

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**Date**



### CONTRIBUTION TO PUBLICATIONS

SN	PUBLICATION	CONTRIBUTION	PERCENTAGE OF CONTRIBUTION
1	<b>Ogunyinka, P. I.</b> and Sodipo, A. A. (2013). Efficiency of Ratio and Regression Estimators Using Double Sampling. <i>Journal of Natural Sciences Research</i> . Efficiency of Ratio and Regression Estimators Using Double Sampling. <i>Journal of Natural Sciences Research</i> . 3(7): ISSN: 2224-3186(Print) ISSN 2225-0921, 201-207. United States of America ( <b>USA</b> ).	Review of literature, data collection, analysis and manuscript writing.	<b>60%</b>
2	Agunbiade, D. A. and <b>Ogunyinka, P. I.</b> (2013). Effect of Correlation Level on the Use of Auxiliary Variable in Double Sampling for Regression. <i>Open Journal of Statistics</i> ; 3(5): ISSN: 2161-718, 312-318. United States of America ( <b>USA</b> ).	Review of literature, data collection and manuscript writing.	<b>50%</b>
3	Agunbiade, D. A. and <b>Ogunyinka, P. I.</b> (2014). Sufficiency and Adequacy of the t-ratio in determining the presence of Multicollinearity in Regression Model. <i>Pensee Journal</i> ; 76(5): 157-167. <b>France</b> .	Data analysis and manuscript writing.	<b>40%</b>
4	<b>Ogunyinka, P. I.</b> and Badmus, N. I. (2014). Optimizing Transformation for Linearity between Online Software Repository Variables. <i>Mathematical Theory and Modelling</i> ; 4(9): ISSN: 2224-5804. 205-210. United States of America ( <b>USA</b> ).	Review of literature, data collection, analysis and manuscript writing.	<b>60%</b>
5	<b>Ogunyinka, P. I.</b> and Sodipo, A. A. (2014). Estimating Total Software End-Users On Online Repository: A Double Sampling Approach. <i>Journal of Nigerian Association of Mathematical Physics</i> ; 28(2), 215-256. <b>Nigeria</b> .	Review of literature, data collection, analysis and manuscript writing.	<b>60%</b>
*6	<b>Ogunyinka, P. I.</b> , Agunbiade, D. A. and Oniyide, O. R. (2016). Deficiency of Ridge Regression in Double Sampling for Regression Using Two Auxiliary Variables. <i>African Journal of Science and Nature</i> , Olabisi Onabanjo University, Vol. 2, 15-23, ISSN 2536-6904, <a href="http://journals.oouagoiwoye.edu.ng/v2/index.php/AJSN">http://journals.oouagoiwoye.edu.ng/v2/index.php/AJSN</a> , <b>Nigeria</b> .	Data collection, data analysis and manuscript writing.	<b>40%</b>
*7	Agunbiade. D. A., <b>Ogunyinka, P. I.</b> , Shaba, Ibukun and Olaitan, O. Olaoye (2016). On The Use Of Double Sampling Method In Analysing Internally Generated Revenue: A Case Study Of Olabisi Onabanjo University. <i>African Journal of Science and Nature</i> , Olabisi Onabanjo University, Vol. 2, 12-15, ISSN 2536-6904. <a href="http://journals.oouagoiwoye.edu.ng/v2/index.php/AJSN">http://journals.oouagoiwoye.edu.ng/v2/index.php/AJSN</a> , <b>Nigeria</b> .	Review of literature and data collection	<b>25%</b>

SN	PUBLICATION	CONTRIBUTION	PERCENTAGE OF CONTRIBUTION
**8	Agunbiade, D. A., Folorunso, S. O., Abdullah. K-K. A. and <b>Ogunyinka, P. I.</b> (2017): Two Phase sampling for stratification: Application to Software Industry. <i>Annals. Computer Science Series</i> , Tibiscus University of Timisoara 15(2) 56-61, ISSN: 1583-7165 <a href="http://www.anale-informatica.tibiscus.ro">www.anale-informatica.tibiscus.ro</a> . <b>Romania.</b>	Data analysis and manuscript writing.	<b>30%</b>
<b>Short Communication</b>			
*9	<b>Ogunyinka, P. I.</b> and Sodipo, A. A. (2017). Extension Of Information Cases On Mixture Ratio Estimators Using Multi-Auxiliary Variables And Attributes In Two-Phase Sampling. <i>Transactions of the Nigerian Association of Mathematical Physics</i> . 4(July): 237-250. <b>Nigeria.</b>	Identification of gap, review of literature, analysis and manuscript writing.	<b>60%</b>
<b>Contributions to Book</b>			
*10	<b>Ogunyinka, P. I.</b> , Folorunso, S. O., Taiwo, A. I., Olurinola, O. D. and Ogunyinka, Paul. I. (2018): On the use of Two-phase sampling Strategy in the Assessment of free-and-open-source Educational Software Usage. <i>Contemporary issues in Mathematical Sciences</i> , 1: 107-114 (In honour of Prof. O. Otolorin). <b>Nigeria.</b>	Data analysis and part-writing of the manuscript.	<b>20%</b>
<b>Conference Proceeding</b>			
11	<b>Ogunyinka, P. I.</b> and Badmus, N. I. (2014). Efficient Linearity of Online Software Repository Variables. <i>iSTEAM Research Nexus Conference</i> , Afe Babalola University, Ado-Ekiti. Series 5, 453-458. <b>Nigeria.</b>	Identification of gap, review of literature, analysis and manuscript writing.	<b>60%</b>
*12	<b>Ogunyinka, P. I.</b> and Sodipo, A. A. (2017). Extension of Information Cases on Mixture Ratio-cum-Product Estimators using Multi-Auxiliary Variables and Attributes in Two-Phase Sampling. <i>First International Statistical Conference, Nigerian Statistical Association (NSA)</i> , Federal College of Education (Technical), Akoka, Lagos State. September 6-9. <b>Nigeria.</b>	Identification of gap, review of literature, analysis and manuscript writing.	<b>60%</b>

**Note:**

- \* National publication since the last promotion.
- \*\* International publication since the last promotion.



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Signature

08-03-2019

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Date