### HOUSEHOLD INCOME AND CONSUMPTION EXPENDITURE IN UGANDA

 $\mathbf{BY}$ 

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# A DISSERTATION SUBMITED TO THE DEPARTMENT OF ECONOMICS AND ENTREPRENEURSHIP IN PARTIAL FULFILMENT OF THE REQUIREMENT FOR THE A WARD OF THE DEGREE OF BACHELORS OF SCIENCE EDUCATION OF BUSITEMA UNIVERSITY

### **DECLARATION**

I Kituyi Deborah declare that this dissertation and its contents represent my own work and have not previously been submitted for a degree at this university or any other University.

Signed. Date 21st April, 2023

### **APPROVAL**

This is to certify that the dissertation of **Kituyi Deborah** has been under my supervision and has been duly approved for submission to the Department of Economics and Entrepreneurship.

Signature: Date: 21st April 2023

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### LIST OF ACRONYMS

ADF : Augmented Dickey-Fuller

AIC : Akaike Information Criterion

DW: Durbin Watson

FPE: Final Prediction Error

HQ : Hannan-Quinn Information Criterion

LR : Likelihood-Ratio.

SIC : Schwartz Information Criterion

### ABSTRACT

The study examined the effect of household's income and consumption expenditure in Uganda using data from three (3) recent waves of the Uganda National Panel Survey (UNPS). A panel-quantitative study was undertaken using secondary data from Uganda Bureau of Statistics (UBOS). The results indicate that; i) having household income (on farm and off farm income) has a significant positive effect on consumption expenditure. The implication of these findings is that government should focus on the formation and implementation of policies that inspire households to diversify their income sources in order to improve on their consumption expenditure. Government should also prioritize attainment of higher of higher education levels through increased access to education and retention especially at higher levels. Additionally, government should purpose to remove all constraints to income diversification, through enhancing access to cheap credit and putting in place programs that enhance entrepreneurial skills of the population, among others. All the above put together could increase households income and also lead improved consumption expenditure especially for rural areas.

# CHAPTER ONE INTRODUCTION

This chapter consists of the background, problem statement, objectives of study, hypothesis, scope of study, the significance of study and the conceptual frame work.

### 1.0 Background to the study

According to Castilla & walker, (2015), Consumption expenditure is a useful indicator since it involves the total money spent on final goods and services by individuals and households for personal use and enjoyment in the economy. Contemporary measures of consumption expenditure include all private purchases of durable goods, non-durable goods. However, consumption expenditure involves spending of the household incomes on all domestic costs (by residents and nonresidents) for individuals' needs, among others things includes expenditures on goods and services, household consumption expenditure varies substantially the population due to incomes of households, economic structure, and the degree of urbanization, (Morton, 2019). Consumption expenditure reduced after the second lockdown in June 2021 and remained at the same level in June 2022 half of the population was moderately food insecure. Households, in particular the poorest ones, felt a negative impact from the increased prices which led to reduced consumption expenditure since household incomes were low as many people were not working (Lastunen, 2021).

Africa is one of the fastest growing consumer markets in the world. Household consumption has increased ever faster than its gross domestic product (GDP) in recent years (Deloitte, 2015). Despite rational growth, through changes in household spending in Africa have remained relatively stagnant failing to keep pace with the increase in average income levels (world development indicators 2017). At the same time, the formal consumer spending levels in sub-

### REFERENCE

Aboagye, S., & Alagidede, P. (2018). Energy consumption efficiency in sub-Saharan Africa: evidence and policies. Ghanaian journal of economics, 4(2016), 116-138.

Adeabah, D., & Andoh, C. (2019). Cost efficiency and welfare performance of banks: evidence from an emerging economy. International journal of managerial finance, 1743-9132. https://doi.org/10.1108/IJMF-06-2019-2020

Aghion, P., Benabou, R., Martin, R., & Roulet, A.(2020). Environmental preferences and Technological choices: Is Market competition Clean or Dirty? (Working Paper 26921; UNER Working Paper Series)

Adjogon, G. S., Liverpool-Tasie, S. L., Fuente, A. D., & Benfica, R. (2017, June). Rural Non-Farm Employment and Household Welfare: Evidence from Malawi.

AGRA. (2016). Progress towards Agricultural Transformation in Africa. Africa Agriculture Status Report.

Alemu, A. E., &Adesina, J.O. (2017). In Search of Rural Entrepreneurship: on- farm Household Eterprises (NFEs) as Instruments of Rural Transformation in Ethiopia. *African Development Review*, 29(2), 259-271.

Appleton, S. (2015). Education, Income and Poverty in Uganda in the 2000s. CREDIT Research Paper, University on Nottingham.

Arellano, M., & Bond, S. (2010). Some Tests of specification for panel Data: Monte Carlo Evidence and Application of Employment Equations. *The Review of Economics Studies*, 227-297

Azzarri, C. G., Carletto, d. b., & Zezz, A. (2016). Monitoring Poverty without Consumption Data: An Application using the Albania Panel survey. Eastern European Economics, 59-82.

Bardhan, P.K. & Udry, C. (2010). Development Microeconomics. Clarendon press: Oxford.

Barrett, C., Reardon, T., & Webb, P. (2011). Off-Farm Income diversification and Household Consumption Expenditure in rural Africa Concepts, Dynamics and Policy Implications. Food Policy, 315-331.

Berry, S., &Barrett, C. (2012). Employment Dynamics in the Rural On Farm sector in Ethiopia: Do the Poor Have Time on Their Side? *Journal of Development Studies*, 1-18.46

Biyase, M., & Zwane, T. (2017). An Emperical Analysis of the Determinants of Poverty and Household Income in South Africa. Munich Personal RePEc Archive, University of Johannesburg.

Citro, C. F., & M ICHEAL, R. T. (2009). Measuring poverty: A New Approach. National Academy press.

Davis, J., & Bezemer, D.(2015). The Development of the Rural Off farm Economy in Developing Countries and Transition Economies: Key Emerging and Conceptual Issues. SSRN Electronic Journal.

Deaton, A. (2009). The analysis of household surveys: A microeconomics Approach to Development Policy. The Johns Hopkins University Press, Baltimore and London.

Deaton, A., &Zaidi, S. (2016). Guidelines for constructing Consumption Aggregates for Welfare Analysis. *World Bank LSMS Working Paper135*.

Dekker, M. (2015). Estimating wealth effects without expenditure data: an asset-based wealth.

Edoumiekumo, S., karimo, K., & Tombofa, S. (2013). Determinants of Households "Poverty and Vulnerability in Bayelsa State of Nigeria. *International Journal of Humanities and Social Science Invention*, 14-23

FAO. (2019). Reduce Rural Poverty, Food and Agricultural Organization of the United Nations.

Kavuma, S. N., Morrisey, O., & Upward, r. (2015). Work Flows and the Impact of Labour Transitions on Earnings in Uganda. *CREDIT Research Paper. The University of Nottingham, Centre for Research in Economic Development and International Trade (CREDIT), Nottingham.* 

Kazungu, M., & Guuroh, R. T. (2014). Assessing the Potential for On-farm and off farm Enterprises in Spurring Rural Development in Uganda. *Agricultural Policy Research*, 198-2002. 48.

Khan, R., & Morrissey, O. (2019). Income Diversification and Household Consumption in Uganda 1992-2012. *Credit Research Paper*. doi:10.1314/RG.2.2.33251.60961.

Kijima, Y., Motsumoto, T., & Yamano, T. (2016). On farm Employment, Agricultural Shocks, Poverty Dynamics: Evidence from Rural Uganda. *Agricultural Economics*, 256-467.

Kinuthia, B., Araar, A., Maende, S., & Mariera, F. (2019). Off-farm Participation, Agricultural Production and Farmers "Welfare in Tanzania and Uganda.

Korinek, A., Mistiaen, J., & Ravallion, M. (2016). Surveys Nonresponse and the Distribution of Income. *Journal of Economic Inequality, Springer*, 33-55.

Lanjouw, J. O., & Langouw, P. (2010). The Rural Non- farm Sector: Issues and Evidence from Developing Countries. *Agricultural Economics* 1-23.

Lekobane, R., & Seleka, B. (2017). Determinants of Households Income and Poverty in Botswana, 2002/03 and 2009/10. *Journal of Poverty*, 42-60.

Ligon, E, (2011). *Notes on the Farm Household Model*. Ethan Ligon.

Litchfied, J., & McGregor, T. (2018). Poverty in Kagera, Tanzania: Characteristics, Causes and Constraints (Working Paper no. 42). *Brighton, England, University of Sussex*.

Mat, H, S, Abdul.A, Z.,& Harun, M, (2012). Does On farm Income Improve the Poverty and Income Inequality among Agricultural Households in Rural Kedah. *Procedia Economics and Finance* 

Matsumoto, T, Kijiima, Y, & Yamano, T. (2016). The Role of the Local Nonfarm Activities and Migration in Reducing Poverty. Evidence from Ethiopia, Kenya and Uganda. *Agricultural Economics*, 449-458.

MoFPED (2014). *Poverty Status Report* (PSR). Ministry of Finance Planning and Economic Development. Kampala Economic Development Policy and Research Department.

Mok , T, G., & Sanyal. A. (2017). The Determinants of urban Household Poverty in Malaysia. *Journal of Social Science*, 190-196.

Mollers, J., & Buchernricder, G. (2011). Effect of Rural Off Farm Employment of Household Welfare and Income Distribution of Small Farm in Croatia. *Quarterly journal of International Agriculture*, vol 50(3, 1-19).

Montgomery, M., Gragnolati, M., Burke, K., & Paredes, E. (2010). Measuring Living Standards with Proxy Variables, *Demography*, 155-174.

Moratti, M., & Natali, L. (2012). Measuring Household Welfare: Short Versus Long Consumption Models. *UNICEF Office of Research Working Paper*, 4.

Mukherjee, S., & Benson, T, (2013). The Determinants of Poverty in Malawi, 2001. *World Development*, 339-358.

Munyegera, K. G., & Mastsumoto, t. (2016). Mobile Money, Remittance and Household Welfare: Panel Evidence from Rural Uganda. *World Development*, 127-137.

Nagler, P., & Naude, W. (2017). Non- Farm Entrepreneurship in Rural Sub Saharan Africa: New Empirical Evidence. *Food Policy*, 175-1991

Odusola, A. (2018). Agriculture, Rural Poverty and Income Inequality in Sub Saharan Africa(August 2018). Income Inequality Trends in Sub Saharan Africa: Divergence, Determinants and Consequences (2017).

Owusu, V., Awudu, A., & Abdul- Rahman, S.(2011). Off Farm Work and Security among Farm Households in Northern Ghana. *Food Policy*, 108-118.

Prakogsai, P. (2016). An Application of the Asset Index for Measuring Household Living Standards in Thailand. *SSRN Electronic Journal*. doi:10.2139/ssrn.1080909

PwC.(2018). Uganda Economic Outlook. Price Water House Cooper (PwC).

Quartey, P., & Blankson, T.(2014). Do Migrant Remittances Minimize the Impact of Macro Volatility on the Poor in Ghana? *Final Report Submitted to the Global Development Network (GDN)*.

Quimba, F. M. (2012). *Drivers of Income Growth & Poverty reduction in Philippines, 1990-2012*. National Graduate Institute for Policy Studies (GRIPS).

Rijkers, B., & Soderbom, M. (2013). The Effect of Risks and Shocks of Non- Farm Enterprise Development in Rural Ethiopia. *World Development*, 45,119-136.

Sahn, D., & Stifel, D (2013). Exploring Alternative Measure of welfare in Absence of

Rutsein, S. O., & Johnson, K. (2014). The DHS Wealth Index: DHS Comparative Report 6. MEASURE DHS+ Calverton, MD.

Expenditure Data, Review of Income and Wealth (49), 463-489.

Salami ,A O., Kamara, A. B., & Brixiova ,Z. (2010), April). Smallholder Agriculture in East Africa: Trends, Constraints and Opportunities.

Seng, K (2015). The Effects of Non-farm Activities on Farm Households Food Consumption in Rural Cambodia. *Developing studies RES*, 77-89.

UBOS.(2018). *Uganda national household survey (UNHS*). Kampala: Uganda Bureau of Statistics. UN. (2019 August 9). *Country meters*.

Weerdt, J. D. (2010). Moving Out of Poverty in Tanzania: Evidence from Kagera. *Journal of Development Studies*, 331-349

World-bank. (2016). *The Uganda Poverty Assessment Report 2016*. Washington DC 20433: The world

Bank, 1818 H Street NW, USA

Zereyesus, J. A., Osei, E., & Tsiboe, F.(2016). Non-farm work, Food Poverty, Nutrient Availability in

Northern Ghana. Journal of Rural Studies, 97-107.

Zhang, J., Yu, B., Cai, J., & Wei, Y. (2017). Impacts of Household Income Change on Co<sub>2</sub>

emissions: An empirical analysis of china. *Journal of Cleaner Production*. https://doi/10.1016/j.jclepro.2017.04.126

Zheng, X., Xia, Y., Hui, E. C. M., & Zheng, L. (2018). Urban Housing Demand, Permanent Income and Uncertainty: Micro Data Analysis of Hong Kong Rental Market. *Habitant International*, 74(November 2017), 9-17. https://doi.org/10.1016/j.habitatint.2018.02.004 Zikmud, Babin, Carr, & Griffin. (2010). *Business Research Methods* (Eigth).