

Submission for the 2020 IAOS for Young Statistician

**Household Consumption Allocation and the Collective Household Model: Children Share of Household Resources in The Gambia**

Mr Madi Mangan

Statistician, National Accounts

The Gambia Bureau of Statistics (GBoS)

[www.gbos.gov.gm](http://www.gbos.gov.gm)

**Abstract**

This paper applies the collective household model to allocate household resources among household members. With a collective quadratic Almost Ideal Demand System (CQUAIDS) estimated by a Feasible Generalized Nonlinear Least Squares (FGNLS), it studies the household demand for six categories of household goods using household income and expenditure survey data of the Gambia, directed to studying the allocation of resources in The Gambia. It establishes the sharing a rule for young and adult members of the household and show the effect of demographic, distributive factor, price and income elasticities on the shares of household resources.