

## Marketing, consumption and their determinants in village poultry production in four states of Ethiopia

*Aklilu Hailemichael<sup>A,B,D</sup> and Berhanu Gebremedhin<sup>C</sup>*

<sup>A</sup>Center for International Development Cooperation, Handong Global University, Pohang, Gyungbuk, 37554, Korea.

<sup>B</sup>Food Security Center, College of Development Studies, Addis Ababa University, Sidst Kilo Campus, PO Box 1176, Addis Ababa, Ethiopia.

<sup>C</sup>International Livestock Research Institute (ILRI), Addis Ababa, Ethiopia.

<sup>D</sup>Corresponding author. Email: akililu64@yahoo.com

### Supplementary material: Descriptive values of variables included in the regression models

Variables	N	Mean	Std. Dev.	Min	Max
<b>Dependent variables</b>					
Bird seller or not (Yes=1, No=0)	2979	0.46	0.50	0	1
Number of birds sold	2979	1.95	4.45	0	114
Bird consumer or not (Yes=1, No=0)	2979	0.42	0.49	0	1
Number of birds consumed	2979	1.25	2.13	0	24

<b>Independent variables</b>					
Amhara	5004	0.30	0.46	0	1
Oromia	5004	0.30	0.46	0	1
SNNPR*	5004	0.20	0.40	0	1
Age of household head (years)	5004	45.54	12.56	18	95
Age square of household head (years)	5004	2231.51	1266.95	324	9025
Sex of household head (Male=1, Female=0)	5004	0.81	0.39	0	1
Proportion of adult females in adult household members	5004	0.51	0.20	0	1
Dependency ratio	4950	1.07	0.83	0	6
Highest grade reached by household head	5004	2.28	3.13	0	15

Family size	5004	5.91	2.25	1	22
Land size (ha)	5004	1.41	1.37	0	18
Asset (birr)	5004	17.03	55.16	0	912.8
Cattle production (Yes=1, No=0)	5004	0.86	0.35	0	1
Shoat production (Yes=1, No=0)	5004	0.53	0.50	0	1
Household contact with DA** (Yes=1, No=0)	5004	0.43	0.49	0	1
Distance to livestock market (walking minutes)	4942	87.29	63.48	0	600
Distance to market town (walking minutes)	4981	164.60	114.40	0	720
Frequency of market/week	4899	1.30	0.47	0	7
Distance to all weather road (walking minutes)	4770	47.67	71.21	0	650
Distance to dry weather road (walking minutes)	4506	23.87	34.79	0	480
Training on poultry (Yes=1, No=0)	5004	0.22	0.42	0	1
Population density	4976	3.13	3.01	0.46	28.90
Ownership of improved breed (Yes=1, No=0)	2979	0.19	0.39	0	1
Obtained market information (Yes=1, No=0)	5004	0.32	0.47	0	1
Flock size	2979	14.19	14.84	1	157

\*SNNPR stands for Southern Nations, Nationalities and Peoples Region

\*\* DA stands for Development Agent