Variables-associated to paper BM-Ethiopia

Table: Variable type and definition

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| **Variables** | **Variable type and definition** |
| Age | Continuous, age of the household head in years |
| Gender | Dummy, gender of the household head, 1= male headed 0 = female headed |
| Education (years) | Continuous, household head’s level of education in years of schooling |
| Family size | Continuous, number of household members in the family  |
| Dependency ratio | Continuous, ratio of dependents1 in a family to family size |
| Land size in *qarxi* | Continuous, household’s land holding, measured in a local unit called qarxi, where 1 qarxi = 0.25 hectares |
| Livestock size (*TLU*) | Continuous, number of livestock owned by a household measured in standard tropical livestock units (TLU)2 |
| Distance from market | Continuous, distance from household’s residence to market measured in walking hours |
| Extension contact | Dummy, equal to 1 for households that frequently make contact with extension agents; 0 for others |
| Investment in fertilizer | Continuous, value of household’s investment in fertilizer in ETB |
| Investment in improved seed | Continuous, value of household’s investment in improved seed varieties in ETB |
| Investment in pesticides/herbicides | Continuous, value of household’s investment in pesticides/herbicides in ETB |
| Total investment in high-risk high-return inputs | Continuous, value of household’s total investment in high-risk high-return agricultural inputs in ETB |
| Per capita food consumption expenditure  | Continuous, value of household’s annual per capita food consumption expenditure in ETB |
| Per capita non-food consumption expenditure | Continuous, value of household’s annual per capita non-food consumption expenditure in ETB |
| Per capita total consumption expenditure | Continuous, value of household’s total annual per capita food consumption expenditure in ETB |

1 Family dependents were counted as household members with age less than 15 years (preschool children) and those with age greater than 65

2 1 TLU = 1\*cow or ox = 0.75\*heifer = 0.34\*calf = 1.1\*horse = 0.7\*donkey = 0.13\*adult sheep or goat = 0.013\*chicken (Storck *et al.* 1991)