**Project title:** Productivity and quality of shallot (*allium cepa* var. ascalonicum*)* as influenced by different levels of nitrogen and postharvest treatment

**Introduction**:

Among onions, shallot (*Allium cepa* L. Aggregatum group) is important sub-group of the aggregatum group that resembles common onion morphologically except minor differences (Fritisch and Friesen, 2002). It produces clusters of several bulb splits unlike common onion that possessed large single bulb (Brewster, 1994).

However, productivity in the study site is low due to lack of recommendation regarding nitrogen fertilizer and optimum harvesting time. Hence, this project was initiated to answer the following specific objective.

**Objective**

* Determine the optimal nitrogen level and harvesting time for local shallot variety.

**Design**: Randomized Complete Block Design (RCBD)

**Treatments:** Four levels ofNitrogen fertilizer **(0, 50,100,150kg/ha)** and Harvesting time **(25%, 75% and 100% top fall)**

**Data collected**

* Yield per plot and converted to ton/ha

**Data Analysis**

* R used to perform Analysis of variance, mean separation and interaction plot

**Result**

The datasets and R markdown doc available on my Repository(<https://github.com/MussaHa/Biological-Data-Analysis-Using-R>)