

FAO SSA Data Management and Analysis Training

Exercise 4.1: Pivot Table Analysis (2 hours)

- You are provided with the data of the assessment carried out in four districts (Arua, Koboko, Adjumani and Moyo) of West Nile (Uganda). Examine the data and run pivot table analysis.

Crop varieties

1. What is the average quantity of seed for the different crops planted in 2014 across the four districts? What was total sum of seed planted by the sampled famers in 2014? How useful is to calculate average of or sum of seed used by the sampled household?
2. Which are the most popular varieties of groundnut planted by famers in West Nile in 2014? What is the percentage of each of the groundnut variety?
3. To what extend are famers in West Nile growing improved varieties? What is the percentage of improved bean variety being cultivated in West Nile? What is the importance of this data in our seed security planning?

Seed sources/channels

4. Overall, what is percent contribution of the different seed sources to the seed planted by the famers in 2014 and 2015?
5. Analyze the seed sources a) by crop, b) District, and then c) Residential status.

Seed availability

6. Determine whether famers considered seed from the different seed sources enough?
7. Overall what was the perception of the famers (by residential status) on availability of the seed, irrespective of the source?

Seed access

8. How did famers consider the prices of seed from the different seed sources in 2014 and 2015?
9. How did famers acquire their seed in 2014 and 2014? How do you relate seed acquisition to the prices perception?

Seed quality

10. How do you consider the quality of seed planted by the famers in 2014 and 2014

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Exercise 4.2: Charts and error bars

Using the pivot tables generated in 4.1

- 1) Generate a bar chart for average quantity of seed for the different crops planted in 2014?
- 2) Draw a pie chart for groundnut varieties planted by famers in West Nile in 2014? Include both the frequency and percent figures in your chart.
- 3) Draw the bar graph for the five major crops showing the extent to which improved and local varieties are being cultivated?

Seed sources/channels

- 4) Other tables, chose the most appropriate chart type to present you seed source analyses data.

Seed availability

- 5) Using the most appropriate chart type, present the perception of the famers (by residential status) on availability of the seed, irrespective of the source?

Seed access

- 6) Using the most appropriate chart type, present how famers acquired their seed in 2013 and 2014?