

# 1-day workshop on data analysis for nurses and midwives in Health Training Institutions in Ghana using free and open-source software

**Date:** 17 November 2023, 8:30 to 16:30 (GMT)

**Location:** Amonoo-Neisser Auditorium – Kwame Nkrumah University of Science and Technology, Kumasi - Ghana

**Language:** English

**Institutional affiliation:** Kumasi Center for Collaborative Research into Tropical Medicine

**Event capacity:** 35 (in-person)

## Agenda

Time	Talk	Panellists
8:30	Registration	Facilitation team from TGHN-GRN
8:40	Welcome address	Kwaku Duah I. (Facilitator)
8:50	Introduction to THGN - GRN	GHID team
9:00	Introduction to data analysis <ol style="list-style-type: none"> <li>a. Types of data</li> <li>b. Types of data analysis</li> </ol>	Robert A. (Facilitator)
9:15	JASP interface	Robert I.
9:30	Importing data into JASP <ol style="list-style-type: none"> <li>a. Labeling columns</li> <li>b. Reordering levels</li> <li>c. Setting column types (categorical/numerical)</li> </ol>	Kwaku Duah I.
10:00	<b>COFFEE BREAK</b>	
10:10	Extracting point estimates <ul style="list-style-type: none"> <li>• Mean</li> <li>• Median</li> <li>• Mode</li> </ul>	Melvin A. (Facilitator)
10:15	Tabulation <ol style="list-style-type: none"> <li>a. Oneway tabulation</li> <li>b. 2x2 tables</li> <li>c. NxP tables</li> </ol>	
10:30	Visualization <ol style="list-style-type: none"> <li>a. Barplots</li> <li>b. Histograms</li> <li>c. Boxplots</li> <li>d. Line plots</li> <li>e. Scatterplots</li> </ol>	Kwaku Duah I.
11:05	<b>SNACK BREAK</b>	
11:15	Analysis interpretation for graphs and tables	Melvin A. (Facilitator)
12:15	Combining outputs and generating reproducible reports	Kwaku Duah I.
12:45	Collaborate and share reports and projects	Robert A.
13:00	<b>LUNCH BREAK</b>	
14:00	Group work	Robert A, Kwaku Duah I., Melvin A.
15:00	Group Presentation and awards	
15:50	Closing remarks <ol style="list-style-type: none"> <li>a. TGHN-GRN</li> <li>b. GHID</li> </ol>	
16:10	Networking and photography <ol style="list-style-type: none"> <li>a. Coffee break</li> <li>b. Meet and greet</li> <li>c. Photography</li> </ol>	