University of Mohamed Khider -Biskra-
Faculty of Architecture, Civil Engineering, Hydraulics. Department of Architecture

Module: Data Analysis **Academic Year: 2025/2026**
Level: Master 02 MPC **Duration: 2h**

Name: ……..…

1st Semester Exam

Activity One: Define the following terms: (2 points)

Data Analysis:
……
……
……

……

Fieldwork:…….
……
……

Activity two: Select the correct answer for each question from the options provided. (5 points)

1. Which of the following is an example of primary data?
A. Census reports
B. Academic journal articles
C. In-situ observations conducted by the researcher

2.Which software is specifically designed for analyzing qualitative data like interview transcripts and open-ended survey responses?

A. Microsoft Excel.
B. SPSS.
C. NVivo

3. In the SPSS interface, which tab is used specifically to define and edit the properties of variables?,,

A. Data View
B. Variable View
C. Output Viewer

4.Which type of questionnaire question allows respondents to explain in their own words?

A. Yes/No

B. Ranking

C. Open-ended question

5. Which interview type follows a fixed list of questions only?

A. Structured interview

B. Semi-structured interview

C. Unstructured interview

6.Which of the following digital tools is used for observation and field data collection?

A. Google Forms

B. KoboToolbox

C. SurveyMonkey

7. Which of the following is an example of qualitative data?

A. The wall is 3 meters high

B. The project took 12 months to complete

C. Workers reported the process as "easy but time-consuming."

8.Which data collection method is described as combining elements of both interviewing and observation?

A. Structured Interview.

B. Focus Group Discussion (FGD).

C. Case Study.

9. Which factor should a researcher consider MOST when selecting a data collection tool?

A. The color of the survey form

B. The availability of software

C. The research objectives and type of data required

10.In a spreadsheet, the data is organized in:

A. Folders and files

B. Rows and columns

C. Pages and paragraphs

Activity three: Indicate whether each statement is true or false. (4 points)

1. Quantitative data is based on numerical values and measurable variables. (……)
2. NVivo is primarily used for the quantitative analysis of complex numeric data.(……..)
3. Primary data collection is usually less time-consuming and cheaper than secondary data collection. (……..)
4. Data reporting should be complex and technical to ensure accuracy. (……)

Activity four: Arrange the steps in designing a questionnaire in the correct order (1 = first, 5 = last). (2.5 points)

A. Develop questionnaire items [….]
B. Identify the target population [….]
C. Define research objectives [….]
D. Pilot testing [….]
E. Revise the questionnaire [….]

Activity five: Match each item in Column A with the correct description in Column B. (2 points)

Column A	Column B
1. Primary Data	a. Recording behaviors and events as they happen naturally
2.Data Reporting	b. A guided discussion with a small group of participants
3. Focus Group	c. Data collected directly by the researcher for a study
4. Observation	D.Process of presenting collected and analyzed information in a structured way to communicate findings

Activity six: state two key differences between primary and secondary data collection methods. Then provide one example of each type. (3 points)

Primary data collection methods	Secondary data collection methods
1-…….. …….. 2-…….. …….. **Example**:…… -……..	1-…….. …….. 2-…….. …….. **Example**:…… -……..

Activity seven: List the three main phases of fieldwork (Without explanation). (1.5 points)

1-…….
2-…….
3-…….

Good Luck !