

Data Analytics		Fall-2025	
Quiz # 1		Date: Oct. 11, 2025	
Section		Total Marks	5
Name			
Roll #			

Many changes continue to occur in the healthcare industry. Because of increased competition for patients among providers and the need to determine how providers can better serve their clientele, hospital administrators sometimes administer a **quality satisfaction survey** to their patients after the patient is released.

The following types of questions are sometimes asked on such a survey. These questions will result in what level of data measurement & Why?

1. How long ago were you released from the hospital?

Answer:

2. Which type of unit were you in for most of your stay?

Coronary care - Intensive care - Maternity care - Medical unit - Pediatric/children's unit - Surgical unit

Answer:

3. In choosing a hospital, how important was the hospital's location? (circle one)

Very Important - Somewhat Important - Not Very Important - Not at All Important

Answer:

4. How serious was your condition when you were first admitted to the hospital?

Critical - Serious - Moderate - Minor

Answer:

5. Rate the skill of your doctor:

Excellent (5) - Very Good (4) - Good (3) - Fair (2) - Poor (1)

Answer:

Data Analytics		Fall-2025	
Assignment # 1		Submission Date: Oct. 18, 2025	
Section	B	Total Marks	5
Name			
Roll #			

Choose any one field of your interest (e.g., HR, Healthcare, Education, Banking, Retail, Marketing, Finance, etc.).

Design 5–7 survey questions to measure **Quality or Customer Satisfaction** in your chosen company/industry.

While designing, keep in mind the 5Vs of Data (Volume, Variety, Velocity, Veracity, Value).

For each question, identify:

1. The level of measurement.
2. The reason why it belongs to that level.

Write a short paragraph (5–6 lines) answering:

1. How did the 5Vs of data help you design better survey questions?
2. Why is it important to know the level of measurement before data analysis?

Guidelines

- Use clear and practical questions that could be actually asked in your chosen industry.
- Make sure your questions represent different measurement levels (mix of nominal, ordinal, interval, ratio).
- Avoid repetitive “yes/no” type questions.
- Mention which V of data each question relates to (Volume, Variety, Velocity, Veracity, Value).