6. What is the general purpose of modeling data as vectors?

Enables weighting of the query.
The ability to normalize vectors allowing probability distributions.
Enables image searching.

● Results can be ordered by similarity using vector projection.
Correct

For more information about the following concept, please view here

7. For the following questions 7, 8, and 9, suppose a registration website creates data with the following fields for each person registered (note: if the user does not input a value, NULL is stored instead): Name, Date, Address, and Account Number.

1 point

Suppose we collect data month by month. Each month, we would have a batch of data containing the fields listed above. At the end of the year, we want to summarize our registrant activities for the entire year, so we would remove redundancies in our data by removing any records with duplicate account numbers from month to month. What type of operation do we use in this scenario?

SubsettingUnion

Not an Operation

O Join

⊗ Incorrect

For more information about the following concept, please view here \info.

3. From the information given in question 7, what are the constraints, if any, which we have placed on the Account Number field for the end of year collection?

1/1 point

There are no constraints.

O If we had n duplicate Account Numbers then we will remove n-1 duplicate fields.

Account Number should be unique.

Account should have at most n digits.

✓ Correct
For mo

For more information about the following concept, please view $\underline{\text{here}}$

9. Suppose 100 people signup for our system and of the 100 people, 60 of them did not input an address. The system lists the values as NULL for these empty entries in the address field. Would this situation still have structure for our data?

1/1 point

No because the majority of data do not have a specific field filled, thus our originally defined structure is lost.

Yes the data has structure because we have placed a structural constraint on the data, thus the data will always have the originally defined structure.

⊘ Correct

For more information about the following concept, please view here \omega\$.