

Quizlet 9

Complete the sentences with the correct data type (categorical, ordinal, numerical, neither).

1. If you can calculate an average (mean) for a set of data, that data is almost certainly **numerical**.
2. Movie genres (e.g., Sci-fi, Comedy, Action, Romance) are **categorical** data.
3. The "Star Rating" system for a movie (1 star to 5 stars) is **ordinal** data because there is a clear hierarchy.

Which of the following scenarios best represents an example of Supervised Learning?

- A music app groups listeners into clusters based on listening habits, without any predefined categories.
- A retail website analyzes customer purchase patterns to discover hidden groupings of similar shoppers.
- **A spam filter is trained on thousands of emails already labeled as "spam" or "not spam" to classify new incoming emails.**
- A robot learning to walk by falling down and trying different leg movements until it succeeds.

Match each part of the Model, View, Controller framework to its specific responsibility in a simulation:

- A. Repeatedly displays the current state of the system using graphics. **view**
- B. Manages time loops and events that trigger changes. **controller**
- C. Stores the core components in a shared data structure and implements the core rules. **model**

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