

## Module 2 Quiz

LATEST SUBMISSION GRADE

100%

1. Which of these is an important consideration for consolidating data?

1 / 1 point

- ☒ All of the above
- ☐ Data Privacy
- ☐ Data pre-processing
- ☐ Data accessibility

✓ **Correct**

Correct! All three of these are important considerations for consolidating data.

2. The extraction stage of 'ETL' focuses on which of the following?

1 / 1 point

- ☒ Where you're going to get the data that you plan to use.
- ☐ Transforming your data into a schema that is specific to where it is being loaded.
- ☐ Deciding exactly what data to save.
- ☐ None of the above.

✓ **Correct**

Correct! You want to think about where your data is coming from and how that impacts the features, format, and other factors involved in your data.

3. Which of the following sentences are true?

1 / 1 point

- ☐ The 'bag of words' technique for converting text data into numbers preserves the context and meaning of words.
- ☐ Categorical data can be stored as strings and fed directly into your machine learning algorithm.
- ☒ When working with time-series data, it is possible to capture potential time dependencies as a feature.
- ☐ The only way to represent images in numbers is by using the image's pixel values.

✓ **Correct**

True! We discussed a technique where the previous 5 timesteps were relevant to any current data point and how you can record these as features.

4. Which of the following sentences are true?

1 / 1 point

- ☐ It is not a good idea to represent image data as pixels.
- ☒ It is possible to represent categorical data with numbers.
- ☐ It is impossible to use time-series data in machine learning.
- ☐ It is okay to send string data into a machine learning algorithm.

✓ **Correct**

True! This is one way to represent categorical data. Although numbers have an inherent ordering to them, this is not always an issue depending on the nature of your problem.

5. The list of languages a particular person speaks is an example of what kind of data?

1 / 1 point

- ☐ Continuous
- ☐ Ordinal
- ☐ None of the above
- ☒ Categorical

✓ **Correct**

Correct! Each language can be placed in its own unordered bin.

6. The time it takes you to get to work in the morning is an example of what kind of data?

1 / 1 point

- ☐ Ordinal
- ☐ None of the above
- ☐ Categorical
- ☒ Continuous

✓ **Correct**

Correct! The time it takes you to get to work in the morning is something that can be measured. It has an inherent ordering with an infinite number of possibilities.