Representing Features

Quiz, 3 questions

1 point

1. What is one-hot encoding?

- One hot encoding is a process by which only the hottest numeric variable is retained for use by the neural network.
- One hot encoding is a process by which numeric variables are converted into a categorical form that could be provided to neural networks to do a better job in prediction.
- One hot encoding is a process by which numeric variables are converted into a form that could be provided to neural networks to do a better job in prediction.
- **One hot encoding is a process by which categorical variables are converted into a form that could be provided to neural networks to do a better job in prediction.**

1 point

2. Which of these offers the best way to encode categorical data that is already indexed, i.e. has integers in [0-N]?

- **tf.feature_column.categorical_column_with_hash_bucket**
- **tf.feature_column.categorical_column_with_vocabulary_list**
- **tf.feature_column.categorical_column_with_identity**

1 point

3. What do you use the **tf.feature_column.bucketized_column** function for?

- **To discretize floating point values into a smaller number of categorical bins**
- To count the number of unique buckets the input values falls into
- To compute the hash buckets needed to one-hot encode categorical values

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