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Grade received **100%** To pass 80% or higher

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Week 3 Quiz

Total points 8

1. What is the name of the tf.data class that represents a sequence of elements, in which each item consists of one or more components?

1 / 1 point

- ☐ tf.data.Sequence
- ☐ tf.data.data.Set
- ☐ tf.dataset.Data
- ☒ tf.data.Dataset

✓ **Correct**

2. Which of these are types of feature column (choose 2)?

1 / 1 point

- ☒ Dense Column
- ☐ Data Column
- ☐ Integer Column
- ☒ Categorical Column

✓ **Correct**

3. If you want to map a person's birth year to a decade, what's the best column type to use?

1 / 1 point

- ☒ BucketizedColumn
- ☐ StringColumn
- ☐ YearColumn
- ☐ DecadeColumn

✓ **Correct**

4. You have a list of vocabulary words, and you want to one-hot encode them to a column. What's the appropriate type?

1 / 1 point

- ☐ Tf.feature_column.categorical_column_with_list_vocabulary
- ☒ tf.feature_column.categorical_column_with_vocabulary_list

- ☐ `tf.feature_column.categorical_column_with_list`
- ☐ `tf.feature_column.categorical_column_with_vocab`

✓ Correct

5. How do you turn a Numpy array into a Dataset?

1 / 1 point

- ☐ Using `load_tensors_from_numpy`
- ☐ Using `load_numpy`
- ☒ Using `from_tensor_slices`
- ☐ Using `from_numpy_array`

✓ Correct

6. When using pandas, how do you automatically one-hot encode a column?

1 / 1 point

- ☒ Using `pd.Categorical`
- ☐ Using `pd.Encode.Category`
- ☐ Using `pd.OneHot`
- ☐ Using `pd.Category`

✓ Correct

7. What experimental API allows you to quickly turn a CSV into a dataset?

1 / 1 point

- ☐ `tf.data.experimental.make_dataset`
- ☐ `tf.data.experimental.csv_dataset`
- ☒ `tf.data.experimental.make_csv_dataset`
- ☐ `tf.data.experimental.make_csv`

✓ Correct

8. What API is used to load text from a file into a dataset?

1 / 1 point

- ☐ `tf.dataset.TextDataset`
- ☒ `tf.data.TextLineDataset`
- ☐ `tf.data.TextDataset`

☐ tf.data.**LineDataset**

☒ **Correct**