

Your grade: 100%

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Next item →

1. Which of the following commands would you use to retrieve only the attribute datatypes of a dataset loaded as pandas data frame `df`?

1 / 1 point

- ☐ `df.info()`
- ☒ `df.dtypes`
- ☐ `df.describe()`
- ☐ `df.describe(include='all')`

✓ Correct
Correct! `df.dtypes` will only output the data types of the attributes, like the data frame columns

2. What description best describes the library Pandas?

1 / 1 point

- ☒ Offers data structure and tools for effective data manipulation and analysis. It provides fast access to structured data:
- ☐ A highly efficient array processing library capable of quickly performing mathematical transformation functions on single or multi-dimensional arrays.
- ☐ Includes functions for creating various plots that can be used to create different visualizations for the dataset.
- ☐ Includes functions for some advanced math problems and scientific processes.

✓ Correct
Correct! The primary instrument of Pandas is a two-dimensional table consisting of columns and rows of labels, called a data frame. It is designed to provide an easy indexing function. This makes the data structured and makes data manipulation much more convenient.

3. What task does the following code perform?

1 / 1 point

```
path='C:\Windows\...\ automobile.csv';  
  
df.to_csv(path);
```

- ☒ Exports your Pandas data frame to a new CSV file in the location specified by the variable `path`.
- ☐ Loads a CSV file
- ☐ Converts a CSV file in the directory specified by the `path` to a data frame.
- ☐ Opens a CSV file specified by the `path`

✓ Correct
Correct! The `to_csv()` method saves the data frame to a new file in the `path` specified.

4. How would you use the `describe()` method with a data frame `df` to get a statistical summary of only the columns with numerical values in the data frame?

1 / 1 point

- ☒ `df.describe()`
- ☐ `df.describe(include="columns")`
- ☐ `df.describe(include="summary")`
- ☐ `df.describe(include="all")`

✓ Correct
Correct! `None` is the default setting of the `describe()` method. This will ensure that only the numerical valued columns of the data frame are used to create the summary.