

Question 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.describe(include='all')`

`df. describe()`

`df. dtypes`

`df.info()`

Correct

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

Question 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:

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.

A highly efficient array processing library capable of quickly performing mathematical transformation functions on single or multi-dimensional arrays.

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.

Question 3

What task does the following code perform?

```
path='C:\Windows\...\ automobile.csv';
```

```
df.to_csv(path);
```

1 / 1 point

Exports your Pandas data frame to a new CSV file in the location specified by the variable `path`.

Converts a CSV file in the directory specified by the `path` to a data frame.

Opens a CSV file specified by the `path`

Loads a CSV file

Correct

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

Question 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(include="all")  
df.describe(include="columns")  
df.describe(include="summary")  
df.describe()
```

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.