1.

Fill in the blank: In pandas, a _____ is a one-dimensional, labeled array.

1 / 1 point

◉ series

○ key

○ CSV file

○ dataframe

✓ **Correct**

A series is a one-dimensional, labeled array. Series objects are most often used to represent individual columns or rows of a dataframe.

2.

In pandas, what is Boolean masking used for?

1 / 1 point

○ Adding data to a dataframe

◉ Filtering data in a dataframe

○ Deleting data from a dataframe

○ Merging data in a dataframe

✓ **Correct**

In pandas, Boolean masking is used for filtering data in a dataframe. Boolean masking is a filtering technique that overlays a Boolean grid onto a dataframe in order to select only the values in the dataframe that align with the True values of the grid.

3.

What is a pandas method that groups rows of a dataframe together based on their values at one or more columns?

1 / 1 point

○ `keys()`

○ `values()`

◉ `groupby()`

○
`agg()`

⊘

Correct

`groupby()` is a pandas method that groups rows of a dataframe together based on their values at one or more columns. This allows further analysis of the groups.

4.

A data professional wants to join two dataframes together. The dataframes contain identically formatted data that needs to be combined vertically. What pandas function can the data professional use to join the dataframes?

1 / 1 point

○

`merge()`

○

`type()`

◉

`concat()`

○

`insert()`

⊘

Correct

The data professional can use the `concat()` function to join the dataframes. `concat()` is a pandas function that combines data either by adding it horizontally as new columns for existing rows, or vertically as new rows for existing columns.