Quiz

Basic Visualization Tools

1. Area plots are unstacked by default. 1 / 1 point

- ○ True.
- ◉ False.

✓ **Correct**
Correct.

2. The following code uses the artist layer to create a stacked area plot of the data in the *pandas* dataframe, **area_df.** 1 / 1 point

```
1  import matplotlib.pyplot as plt
2
3  area_df.plot(kind='area', figsize=(20, 10))
4
5  plt.title('Plot Title')
6  plt.ylabel('Vertical Axis Label')
7  plt.xlabel('Horizontal Axis Label')
8
9  plt.show()
```

- ○ True.
- ◉ False.

✓ **Correct**
Correct.

3. The following code will create a stacked area plot of the data in the *pandas* dataframe, **area_df**, with a transparency value of 0.35?

1 / 1 point

```
import matplotlib.pyplot as plt

transparency = 0.35
area_df.plot(kind='area', alpha=transparency, figsize=(20, 10))

plt.title('Plot Title')
plt.ylabel('Vertical Axis Label')
plt.xlabel('Horizontal Axis Label')

plt.show()
```

- (●) True.
- ( ) False.

✓ **Correct**

Correct.

4. The following code will create a histogram of a *pandas* series, **series_data**, and align the bin edges with the horizontal tick marks.

0 / 1 point

```
count, bin_edges = np.histogram(series_data)
series_data.plot(kind='hist', xticks = count, bin_edges)
```

- (●) True.
- ( ) False.

! **Incorrect**

Incorrect. The parameter xticks should be equal to bin_edges only.

5. The following code will create a horizontal bar chart of the data in a *pandas* dataframe, **question.**

1 / 1 point

```
question.plot(kind='barh')
```

- (●) True.
- ( ) False.

✓ **Correct**

Correct.