✓ **Congratulations! You passed!**
TO PASS 80% or higher

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GRADE
100%

Basic Visualization Tools

LATEST SUBMISSION GRADE
100%

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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`

   ```python
   import matplotlib.pyplot as plt

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

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

   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`

   ```python
   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.**   `1 / 1 point`

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

   ● True.

   ○ False.

   > ✓ **Correct**
   > Correct.

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

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

1 / 1 point

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

🔘 True.

⚪ False.

✓ **Correct**
Correct.