Quiz

Specialized Visualization Tools

1. Pie charts are less confusing than bar charts and should be your first attempt when creating a visual.

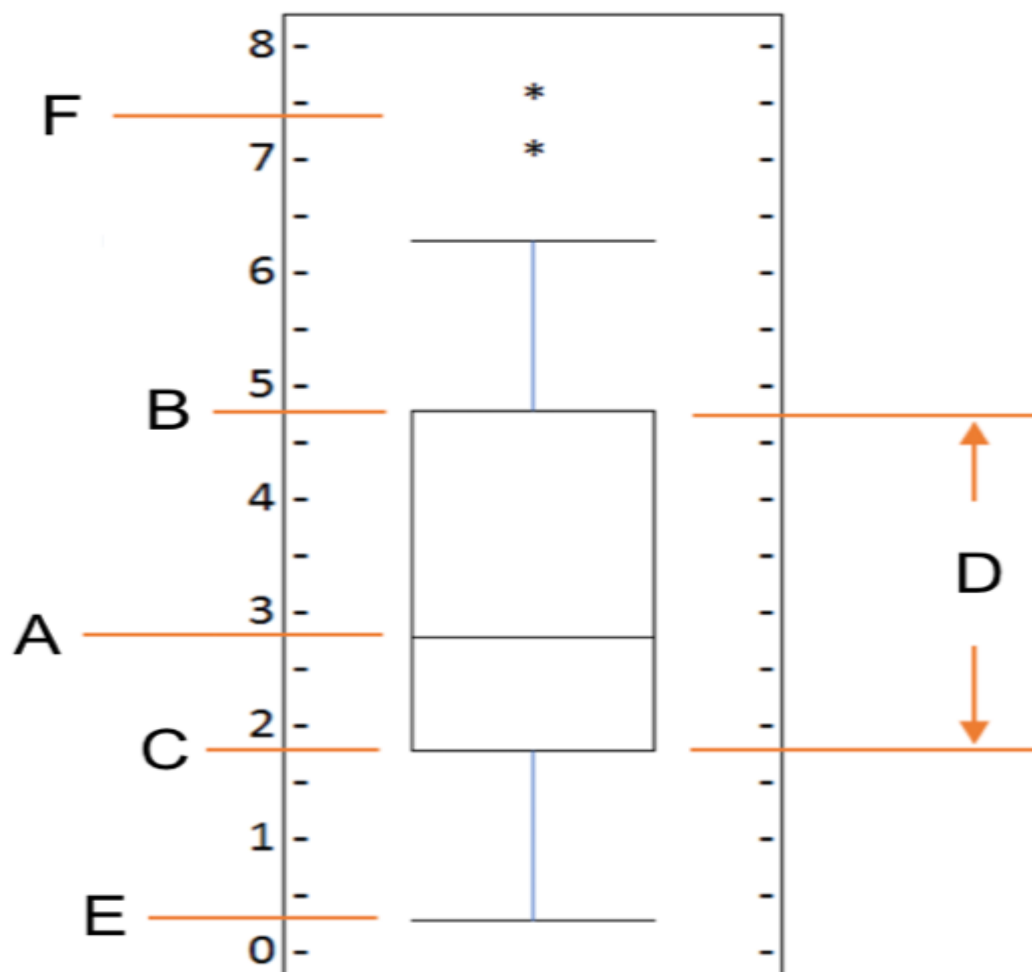   1 / 1 point

   ○ True

   ◉ False

   ✓ **Correct**
   Correct.

2.

   1 / 1 point

What do the letters in the box plot above represent?

○ A = Median, B = Third Quartile, C = Mean, D = Inter Quartile Range, E = Lower Quartile, and F = Outliers

○ A = Mean, B = Third Quartile, C = First Quartile, D = Inter Quartile Range, E = Minimum, and F = Outliers

○ A = Mean, B = Third Quartile, C = First Quartile, D = Inter Quartile Range, E = Minimum, and F = Maximum

◉ A = Median, B = Third Quartile, C = First Quartile, D = Inter Quartile Range, E = Minimum, and F = Outliers

○ A = Mean, B = Upper Mean Quartile, C = Lower Mean Quartile, D = Inter Quartile Range, E = Minimum, and F = Outliers

✓ **Correct**
Correct.

3. What is the correct combination of function and parameter to create a box plot in Matplotlib?   **1 / 1 point**

○ Function = boxplot, and Parameter = type with value = "plot"

○ Function = plot, and Parameter = kind with value = "boxplot"

○ Function = plot, and Parameter = type with value = "box"

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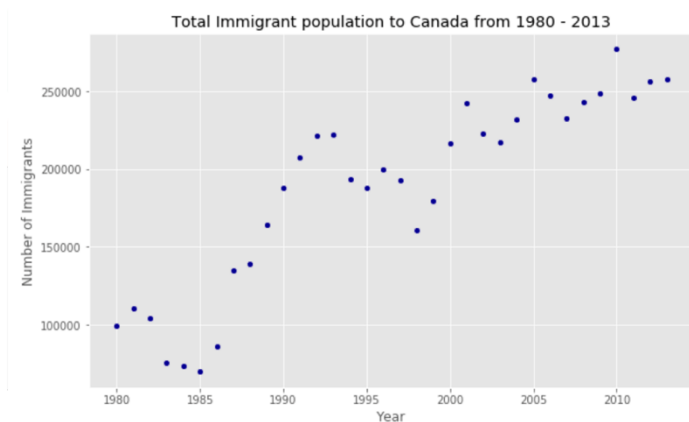
✓ **Correct**
Correct.

4. Which of the lines of code below will create the following scatter plot, given the *pandas* dataframe, df_total?   **1 / 1 point**

df_total

year	total
1980	99137
1981	110563
1982	104271
1983	75550
1984	73417
.	.
.	.
2013	258654

Total Immigrant population to Canada from 1980 - 2013

○
```
1   import matplotlib.pyplot as plt
2
3   plot(kind='scatter', x='year', y='total', data=df_total)
4
5   plt.title('Total Immigrant population to Canada from 1980 - 2013')
6   plt.label ('Year')
7   plt.label('Number of Immigrants')
```

◉
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1   import matplotlib.pyplot as plt
2
3   df_total.plot(kind='scatter', x='year', y='total')
4
5   plt.title('Total Immigrant population to Canada from 1980 - 2013')
6   plt.xlabel ('Year')
7   plt.ylabel('Number of Immigrants')
```

○
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1   import matplotlib.scripting.pyplot as plt
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✓ **Correct**
Correct.

5. A bubble plot is a variation of the scatter plot that displays three dimensions of data.   1 / 1 point

◉ True.

○ False

✓ **Correct**
Correct.