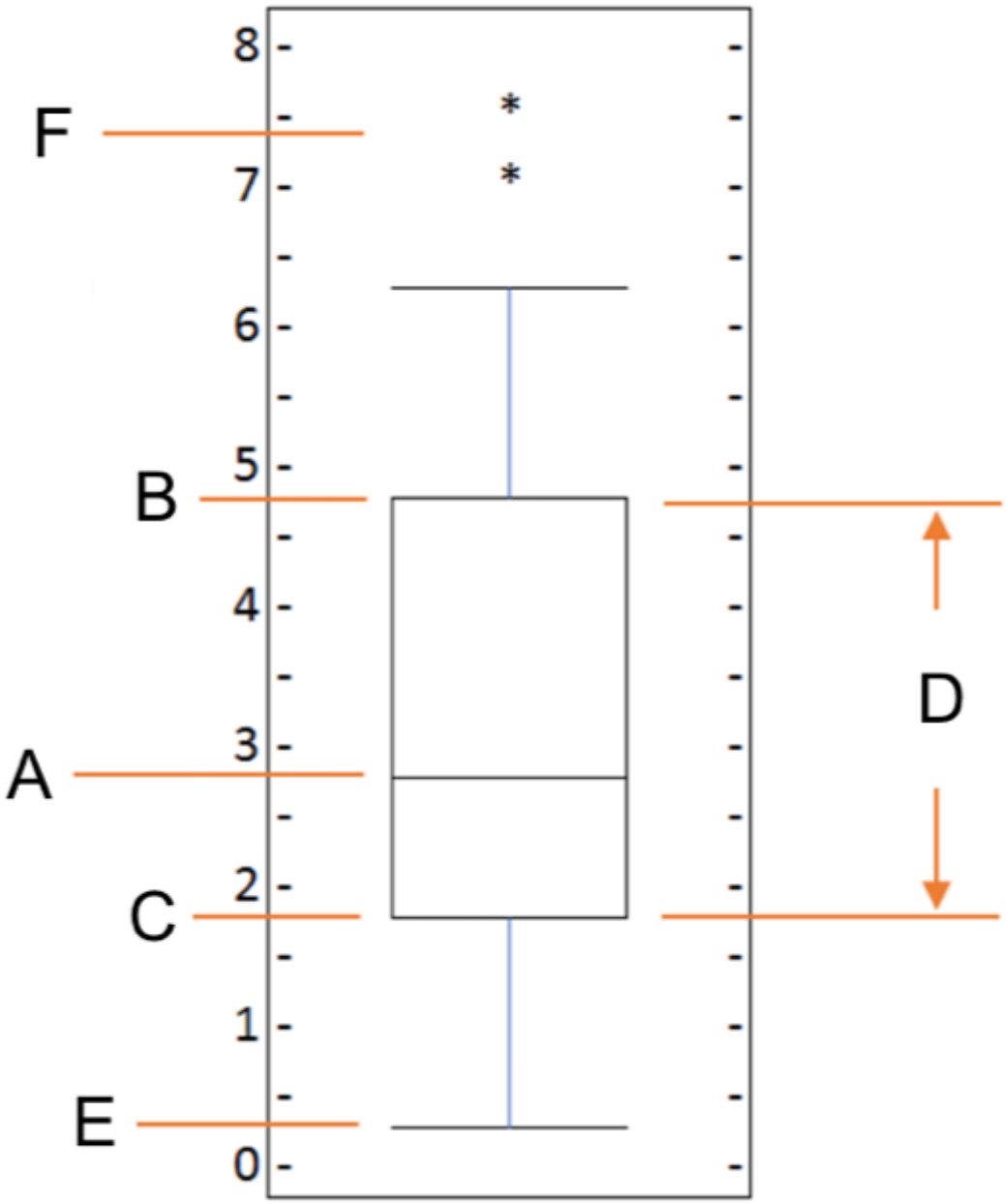
Specialized Visualization Tools

Latest Submission Grade 100%

1.

Question 1



What do the letters in the box plot above represent?

1 / 1 point

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

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

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

A = Median, 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 = Outliers

Correct

Correct.

2.

Question 2

What is the correct combination of function and parameter to create a box plot in Matplotlib?

1 / 1 point

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

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

Function = plot, and Parameter = kind with value = "box"

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

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

Correct

Correct.

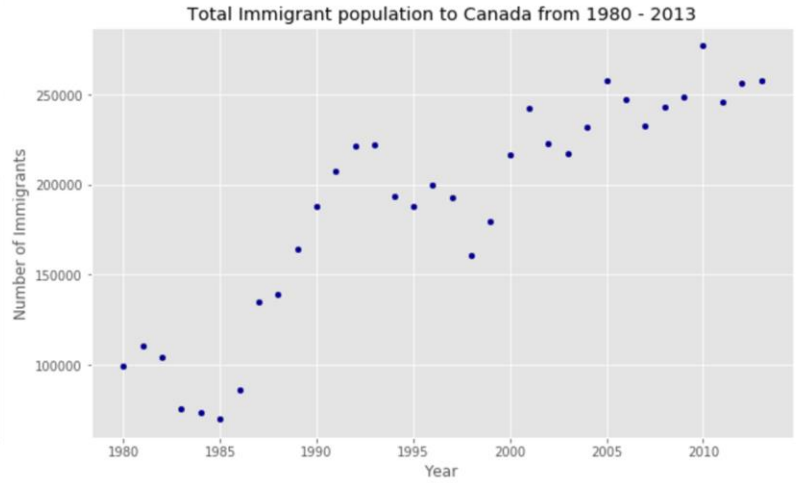
3.

Question 3

Which of the lines of code below will create the following scatter plot, given the *pandas* dataframe, df_total?

df_total

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



1 / 1 point

```
import matplotlib.pyplot as plt

plot(kind='scatter', x='year', y='total', data=df_total)

plt.title('Total Immigrant population to Canada from 1980 - 2013')

plt.label ('Year')

plt.label('Number of Immigrants')
```

```
import matplotlib.scripting.pyplot as plt

df_total.plot(kind='scatter', x='year', y='total')

plt.title('Total Immigrant population to Canada from 1980 - 2013')

plt.label('Year')

plt.label('Number of Immigrants')
```

```
import matplotlib.pyplot as plt

df_total.plot(type='scatter', x='year', y='total')
```

```
plt.title('Total Immigrant population to Canada from 1980 - 2013')

plt.label ('Year')

plt.label('Number of Immigrants')
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```
import matplotlib.scripting.pyplot as plt

df_total.plot(type='scatter', y='year', x='total')

plt.title('Total Immigrant population to Canada from 1980 - 2013')

plt.xlabel ('Year')

plt.ylabel('Number of Immigrants')
```

```
import matplotlib.pyplot as plt

df_total.plot(kind='scatter', x='year', y='total')

plt.title('Total Immigrant population to Canada from 1980 - 2013')

plt.xlabel ('Year')

plt.ylabel('Number of Immigrants')
```

Correct

Correct.