QUIZ:- 07

Started on	Samstag, 4 Dezember 2021, 7:21
State	Finished
Completed on	Samstag, 4 Dezember 2021, 7:32
Time taken	11 mins 14 secs
Marks	4.00/8.00
Grade	**2.00** out of 4.00 (**50%**)

Question **1**

Complete

Mark 0.00 out of 2.00

⚑ Flag question

Which of the following statements is true?

Select one or more:

- ☑ Data sets that have the same statistics, for example the same mean and variance, look similar when visualized.

- ☐ Error bars help to understand the deviation of data points from their mean or median.

Question **2**

Complete

Mark 2.00 out of 2.00

⚑ Flag question

Which of the following statements plots a red dotted line?

Select one or more:

- ☑
```
import matplotlib.pylab as plt

import numpy as np
x = np.linspace(0, 10, 100)
plt.plot(x, x + 3, ':r')
```

- ☑
```
import matplotlib.pylab as plt

import numpy as np

x = np.linspace(0, 10, 100)
plt.plot(x, x + 3, 'r:')
```

- ☐
```
import matplotlib.pylab as plt

import numpy as np

x = np.linspace(0, 10, 100)
plt.plot(x, x + 3, '-:r')
```

Question **3**

Complete

Mark 0.00 out of 2.00

⚑ Flag question

Consider two points a and b in a two-dimensional space where the first dimension is plotted along the horizontal x-axis and the second dimension is plotted along the vertical y-axis, which of the following statements plots a line between the two points?

Select one or more:

- ☐
```
import matplotlib.pylab as plt
a = [2,3]
b = [-2, 9]
plt.plot([a[0],b[0]],[a[1],b[1]])
```

- ☑
```
import matplotlib.pylab as plt
a = [2,3]
b = [-2, 9]
plt.plot(a,b)
```

Which of the following code snippets creates a scatterplot?

Select one or more:

☐
```
import matplotlib.pylab as plt
import numpy as np
a = np.random.randn(100, 2)
plt.plot(a[:,0],a[:,1])
```

☑
```
import matplotlib.pylab as plt
import numpy as np
a = np.random.randn(100, 2)
plt.plot(a[:,0],a[:,1] ,'.')
```