Online Test [July 2019] - Class XII [IP]

* Required

Test Begins

15. Suppose DF is a DataFrame. What is correct statement(s) from following in pandas : *

1 point

- ☐ DF.sort_index()

- ☐ DF.sort_values()

- ☐ DF.sort_value()

- ☐ DF.sort_indexs()

13. Suppose DF is a DataFrame. What is correct statement of following in pandas :
DF.min() *

1 point

- ◯ display minimum of 1st column

- ◯ display minimum of 1st row

- ◯ display minimum of all columns

- ◯ display minimum of middle column

20. Give the output :a=np.array([[7,5,9,4],[7,6,8,8], [1,6,7,7]])print(a[1:3][1,1]) *

1 point

○ [1, 6, 7, 7, 1]

○ 6

○ 7

○ [7,6,8,8]

17. How rename() works in pandas ? *

1 point

○ Change specified index to another

○ Only display but not change

○ Change Column Name rather the index

○ Transform Column with index

1. What will the output of following code : a=np.array([2,4,5,3,7,9]) print(a[:]) *

1 point

○ [2, 4, 5, 3, 7, 9]

○ [2]

○ [9]

○ None

7. Write the correct Syntax for creating Scatter Chart in Red Colour with "Weight' and 'Height" *

1 point

○ plt.scatter('weight,height,'Red')

○ plt.scatter('weight,height,c='r')
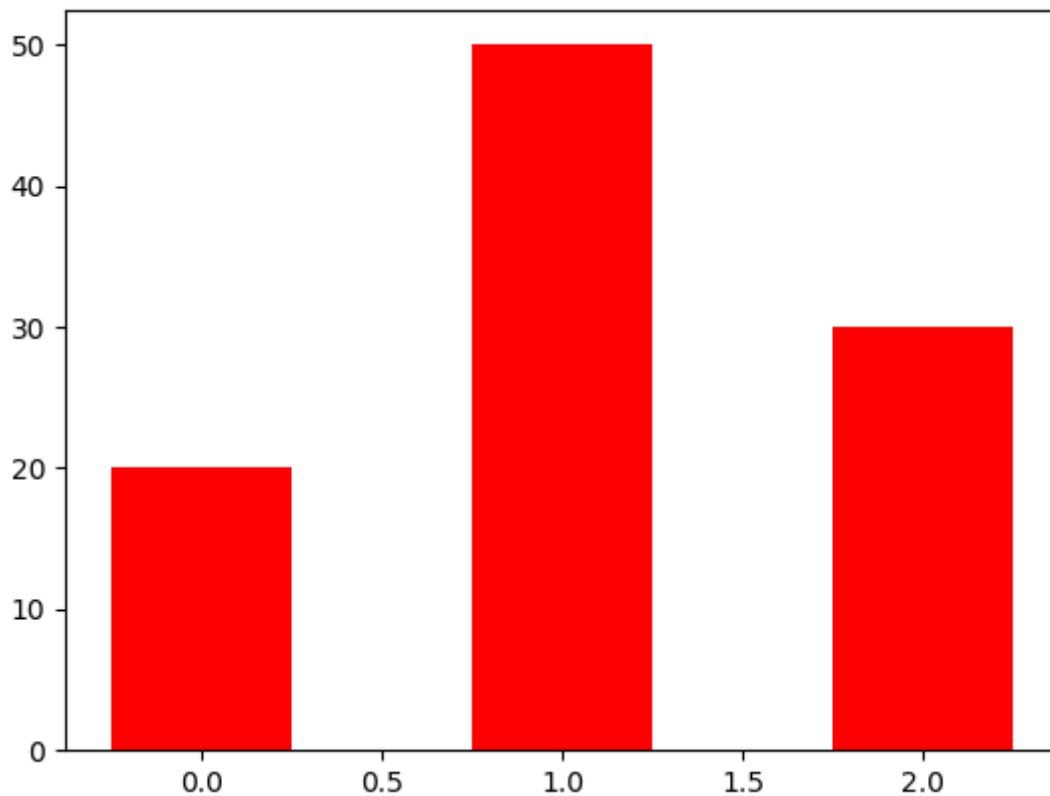
○ plt.scatter('weight,"Red", height)

○ None

16. How reindex() works in pandas ? *

1 point

○ It map with previous data & index with new

○ It creates new index number

○ Delete previous Indexes

○ Not Known

8. See the following graph and find the correct code to draw this : * 1 point

○ x=[20,50,30] y=range(len(x)) plt.bar(y,x,width=0.5,color='red') plt.show()

○ x=[20,50,30,40,50] y=range(len(x)) plt.bar(y,x,width=0.5,color='red') plt.show()

○ x=[20,50,30] y=range(len(x)) plt.bar(y,x,width=0.5) plt.show()

○ Option 1 & 3 Correct

10. Box Plot is visual representation of : * 1 point

☐ Upper Quartil

☐ Third Number

☐ Maximum

☐ Median

5. If :
x=np.array(np.arange(1,10))
y=np.array(x[::-1])
Then find the code which is not correct for covariance. *

1 point

○ co_var=np.cov(x,y)

○ co_var=np.covariance(x,y)

○ co_var=np.cov(x,x)

○ co_var=np.cov(x,y,1/2)

19. What is the meaning of code : df1=df.fillna(0) *

1 point

○ It fills 0 in df

○ it fills 0 in plase where value is "na" in df and store in df1

○ it fills 0 in plase where value is missing in df and store in df1

○ it delete df and create df1

9. "bins" found in : *

1 point

○ Bar Chart

○ Scatter Chart

○ Histogram

○ Polygon

4. What will the output of following code :
a=np.array(range(1,13)).reshape(3,4)
print(a.T.shape) *

1 point

○ (3, 3)

○ 4

○ (4, 3)

○ None

12. Suppose DF is a DataFrame. What is correct statement of following in pandas :
DF["abcd"].count() *

1 point

○ (i) 'abcd' is table name (ii) count the no. of tables

○ (i) 'abcd' is table name (ii) count the no. of "abcd"

○ (i) 'abcd' is Column Name (ii) count the no. of Rows

○ (i) 'abcd' is Column Name (ii) count the occurance in column "abcd"

2. What will the output of following code :
a=np.array([2,4,5,3,7,9])
print(a[-2:-1]) *

1 point

○ [7, 9]

○ [7]

○ [2,4]

○ [4]

3. What will the output of following code :
a=np.array([[7,5,9,4],[7,6,8,8],[1,6,7,7]])
print(a[:2,:3]) *

1 point

○ [[9, 4], [8, 8], [7, 7]]

○ [[6, 8, 8], [6, 7, 7]]

○ [[7, 5, 9], [1, 6, 7]]

○ [[7, 5, 9], [7, 6, 8]]

18. Which syntex is correct for renaming index ? *

1 point

○ s2=s1.rename(index=[a:1])

○ s2=s1.rename(index=['a' :1])

○ s2=s1.rename(index={'a' :1})

○ s2=s1.rename(index={'a' =1})

14. How the Row and Column can be written using number : *

1 point

○ Row : 1 Column : 0

○ Row : 0 Column : 1

○ Any one

○ All above

6. If :
x=np.array(np.arange(1,10))
y=np.array(x[::-1])
Then find the code which is correct to computer
Correlation. *

1 point

○ co=np.correof(x,y)

○ co=np.corelation(x,y)

○ co=np.corr(x,y)

○ co=np.corrcoef(x,y)

11. What is "patch_artist" in Box Plot ? *

1 point

○ Used for dottet representation

○ Used to fill the box plot

○ Used to make "notch"

○ All above

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