



Applied Data Science - Quiz 1

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Data Science is a ?

- ☐ Branch of statistics
- ☐ Branch of computer science
- ☐ Branch of artificial intelligence
- ☒ Interdisciplinary, made up of all of the above

Machine learning is a subset of ?

- ☐ Data Science
- ☐ Deep Learning
- ☒ Artificial Intelligence
- ☐ None of the above



Who developed Python Programming Language ?

- ☐ Wick van Rossum
- ☒ Guido van Rossum
- ☐ Rasmus Lerdorf
- ☐ Niene Stom

Which of the following is the correct extension of the Python file ?

- ☒ .py
- ☐ .pl
- ☐ .python
- ☐ .p

What will be the output of the following Python code snippet?

```
for i in [1, 2, 3, 4][::-1]:  
    print (i)
```



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```
for i in [1, 2, 3, 4][::-1]:  
    print (i)
```

- ☒ 4 3 2 1
- ☐ error
- ☐ 1 2 3 4
- ☐ none of the mentioned

If there are missing values in Categorical column, how do we deal with?

- ☐ Replace with Mean value
- ☐ Replace with Median
- ☒ Replace with Mode value
- ☐ Replace Quantile value

What is the use of the zeros() function in Numpy array in python ?

What is the use of the zeros() function in Numpy array in python ?

- ☐ To make a Matrix with first row 0
- ☐ To make a Matrix with all element 0
- ☐ To make a Matrix with all diagonal element
- ☒ None of the above

What is a correct syntax to return the first row in a Pandas DataFrame?

- ☐ df.get(0)
- ☒ df.loc[0]
- ☐ df[0]
- ☐ df

How do you get the list of columns that have null values in a DataFrames?

- ☐ df.isnull().sum()
- ☒ df.isnull().any()



How do you get the list of columns that have null values in a DataFrames?

- ☐ `df.isnull().sum()`
- ☒ `df.isnull().any()`
- ☐ `df.isnull()`
- ☐ [df.info\(\)](#)

To check the distribution of Numeric column ,which type of graph we will use ?

- ☒ Box plot
- ☐ Scatter plot
- ☐ Dist plot
- ☐ heat map

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