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## Quiz 8

### Question 1

1 point possible (graded)

What is a missing value in a pandas dataframe?

☐ None

☐ null

☐ NaN

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You have used 0 of 1 attempt

### Question 2

1 point possible (graded)

I have a dataframe called df and I want to apply a function called 'func' to every element of the column 'variable'. What code does that?

☐ `df['variable'].apply(lambda x: func)`

☐ `df['variable'].apply(func)`

☐ `df.apply(func('variable'))`

☐ `df['variable'].apply(lambda: func)`

Submit

You have used 0 of 1 attempt

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## Question 3

1 point possible (graded)

I have a dataframe called df and I want to only keep the rows for which 'variable' is not missing. What code allows me to do that?

☐ `df['variable'].filter(lambda x: x != null)`

☐ `df.filter('variable' != null)`

☐ `df['variable'].notnull()`

☐ `df['variable'] != null`

Submit

You have used 0 of 1 attempt

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## Question 4

1 point possible (graded)

What library should you use to manipulate dates in a dataframe?

☐ `time`

☐ date

☐ datetime

☐ calendar

☐ days

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## Question 5

1 point possible (graded)

To plot a density of population using gmpplot, what should I use?

☐ heatmap

☐ scatter points

☐ polygons with fills

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## Question 6

1 point possible (graded)

Complaints data is in the dataframe called 'data'. We want to plot the number of complaints by Agency and Borough, in a bar graph. What is the correct code to do so?

☐ `data['Agency','Borough'].size().unstack().plot(kind='bar')`

☐ `data.size().unstack().plot(data = ['Agency','Borough'], kind='bar')`

☐ `data.groupby(['Agency','Borough']).size().unstack().plot(kind='bar')`

Submit

You have used 0 of 1 attempt

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