

```
import pandas as pd
  df = pd.read_csv('Yelp_Reviews.csv', index_col=0)
  df.head(2)

<style scoped> .dataframe tbody tr th:only-of-type { vertical-align: middle; }
  .dataframe tbody tr th {
     vertical-align: top;
  }
  .dataframe thead th {
     text-align: right;
  }
```

</style>

	business_id	cool	date	funny	review_id
1	pomGBqfbxcqPv14c3XH- ZQ	0	2012- 11-13	0	dDl8zu1vWPdKGihJrwQbpv
2	jtQARsP6P- LbkyjbO1qNGg	1	2014- 10-23	1	LZp4UX5zK3e-c5ZGSeo3kA

Simple arithmetic

Use a lambda function to create a new column called 'stars_squared' by squaring the stars column.

```
df['stars_squared'] = df['stars'].map(lambda x: x**2)
df.head(2)

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Dates

Select the month from the date string using a lambda function.

```
df['date'].map(lambda x: x[5:7]).head()
```

```
1    11
2    10
4    09
5    02
10    06
Name: date, dtype: object
```

What is the average number of words for a yelp review?

Do this with a single line of code!

```
df['text'].map(lambda x: len(x.split())).mean()
77.06551724137931
```

Create a new column for the number of words in the review

```
df['Review_num_words'] = df['text'].map(lambda x: len(x.split()))
df.head(2)

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Rewrite the following as a lambda function

Create a new column 'Review_Length' by applying this lambda function to the 'Review_num_words' column.

```
# Rewrite the following function as a lambda function

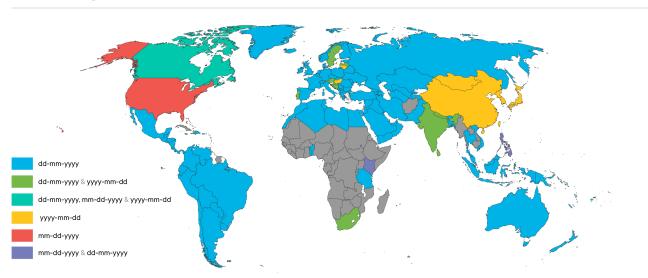
def rewrite_as_lambda(value):
    if len(value) > 50:
        return 'Short'
    elif len(value) < 80:
        return 'Medium'
    else:
        return 'Long'
# Hint: nest your if, else conditionals

df['Review_length'] = df['Review_num_words'].map(lambda x: 'Short' if x < 50 else ('df['Review_length'].value_counts(normalize=True)</pre>
```

Short 0.493103 Long 0.294636 Medium 0.212261

Name: Review_length, dtype: float64

Level Up: Dates Advanced!



Print the first five rows of the 'date' column.

```
df['date'].head()
```

- 1 2012-11-13
- 2 2014-10-23
- 4 2014-09-05
- 5 2011-02-25
- 10 2016-06-15

Name: date, dtype: object

Overwrite the 'date' column by reordering the month and day from YYYY-MM-DD to DD-MM-YYYY . Try to do this using a lambda function.

- 1 13-11-2012
- 2 23-10-2014
- 4 05-09-2014
- 5 25-02-2011
- 10 15-06-2016

Name: date, dtype: object

Summary

Great! Hopefully, you're getting the hang of lambda functions now! It's important not to overuse them - it will often make more sense to define a function so that it's reusable elsewhere. But whenever you need to quickly apply some simple processing to a collection of data you have a new technique that will help you to do just that. It'll also be useful if you're reading someone else's code that happens to use lambdas.

Releases

No releases published

Packages

No packages published

Contributors 8

















Languages

Jupyter Notebook 100.0%