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import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
import re
import string
import nltk
import warnings
from textblob import TextBlob
from wordcloud import WordCloud
%matplotlib inline

warnings.filterwarnings('ignore')
```

```
df = pd.read_csv('MoneyLionNegativeTweets.csv')
df.head()
```

	date	username	clean_tweet	Subjectivity	Polarity	Analysis
0	11/08/2021	unspoke20046381	COVID process losing home because couldn make ...	0.857143	-0.714286	Negative
1	10/08/2021	molysure	move funds from bank account into which connec...	0.250000	-0.250000	Negative
2	09/08/2021	eglass64	your depositing checks Your party with info su...	0.300000	-0.300000	Negative
3	07/08/2021	rutabagacaptain	recommendation simply file complaint with issu...	0.278571	-0.150000	Negative
4	06/08/2021	moneylion	sorry hear that send with email address that a...	0.716667	-0.033333	Negative

```
df.shape
```

 $(1856, 6)$

Exploratory Data Analysis (Negative)

```
#Visualize the frequent Negative words

all_words = " ".join([sentence for sentence in df ['clean_tweet']])

wordcloud = WordCloud (width =800, height=500, random_state=42, max_font_size=100).generate(all_words)

#plot the graph
plt.figure(figsize=(15,8))
plt.imshow(wordcloud, interpolation = 'bilinear')
plt.axis('off')
plt.show()
```

