

```
In [1]: ▶ import pandas as pd
import numpy as np
import seaborn as sns
import matplotlib.pyplot as plt
from fbprophet import Prophet
```

ERROR:fbprophet:Importing plotly failed. Interactive plots will not work.

```
In [26]: ▶ data = pd.read_csv('daylio_export.csv', error_bad_lines = False, encoding='')
```

```
In [27]: ▶ data = data.drop(['date', 'weekday', 'time', 'activities', 'note'], axis=1)
```

```
In [28]: ▶ #converting the apps mood system into numbers
#the app has 5 ratings for your day, Rad, Good, Meh, Bad, Awful
data = data.replace('awful', -2)
data = data.replace('Depressed', -2)
data = data.replace('bad', -1)
data = data.replace('Anxious', -1)
data = data.replace('meh', 0)
data = data.replace('Boring', 0)
data = data.replace('good', 1)
data = data.replace('Optimistic', 1)
data = data.replace('rad', 2)
```

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In [29]: ▶ data.full_date = pd.to_datetime(data.full_date)
```

```
In [30]: ▶ data.columns = ['ds', 'y']
```

```
In [45]: ▶ data.head()
```

Out[45]:

	ds	y
0	2019-11-26	-2
1	2019-11-25	-2
2	2019-11-24	-2
3	2019-11-23	-1
4	2019-11-22	-1

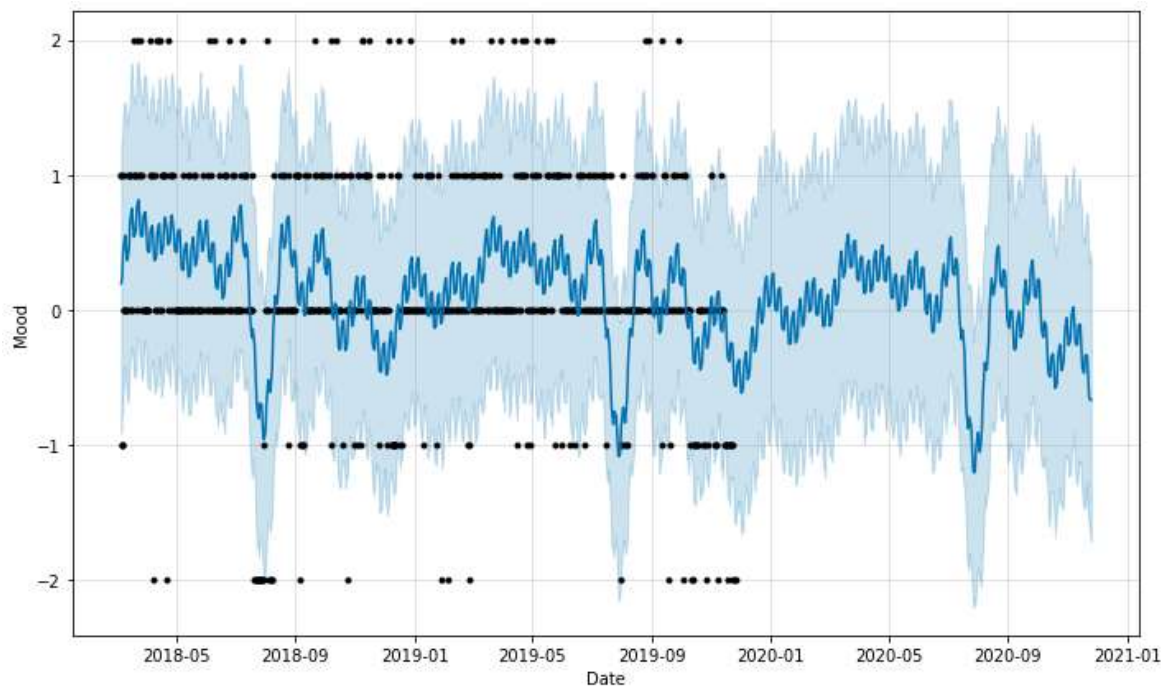
```
In [38]: p = Prophet(yearly_seasonality=True)
p.fit(data)
```

INFO:fbprophet:Disabling daily seasonality. Run prophet with daily_seasonality=True to override this.

```
Out[38]: <fbprophet.forecaster.Prophet at 0x1fd57c669e8>
```

```
In [42]: future = p.make_future_dataframe(periods = 365, include_history = True)
forecast = p.predict(future)
```

```
In [43]: figure = p.plot(forecast, xlabel='Date', ylabel='Mood')
```



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In [44]: figure2 = p.plot_components(forecast)
```

