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Time Series

In [4]:

```python
import pandas as pd
from matplotlib import pyplot
from matplotlib import pyplot as plt
from statsmodels.tsa.api import ExponentialSmoothing, SimpleExpSmoothing,Holt
from pylab import rcParams
rcParams['figure.figsize']=20,5
```

In [5]:

```python
series=pd.read_csv('C:/Users/Prathyu Lachireddy/Desktop/BP/Electric_Production.csv',header=
```

In [6]:

```python
series.shape
```
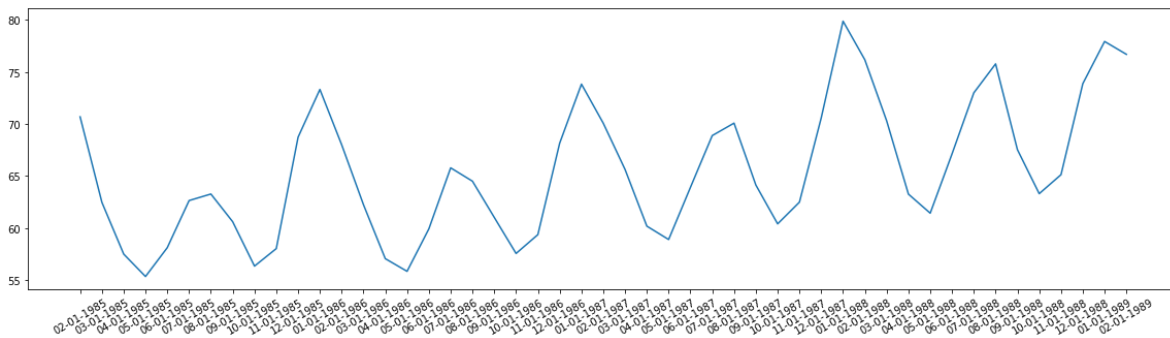
Out[6]:

```
(397, 1)
```

Moving averages are a simple and common type of smoothing used in time series analysis and time series forecasting. Calculating a moving average involves creating a new series where the values are comprised of the average of raw observations in the original time series.

In [7]:

```python
plt.plot(series[1:50]['Units'])
plt.xticks(rotation=30)
plt.show
```

Out[7]:

```
<function matplotlib.pyplot.show(close=None, block=None)>
```


In [ ]: