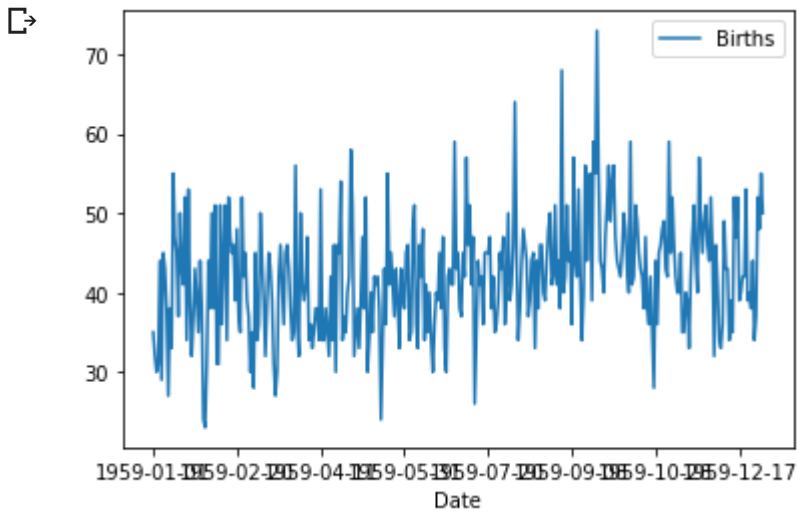## 1.STATIONARY

```
from pandas import read_csv
from matplotlib import pyplot
series= read_csv('/content/daily-total-female-births.csv',header=0,index_col=0)
series.plot()
pyplot.show()
```
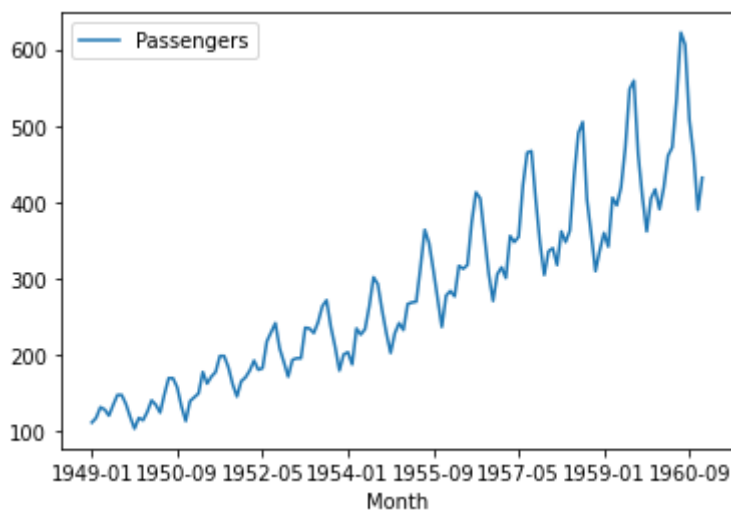

2.NON-STATIONARY

```
from pandas import read_csv
from matplotlib import pyplot
series= read_csv('/content/airline-passengers.csv',header=0,index_col=0)
series.plot()
pyplot.show()
```
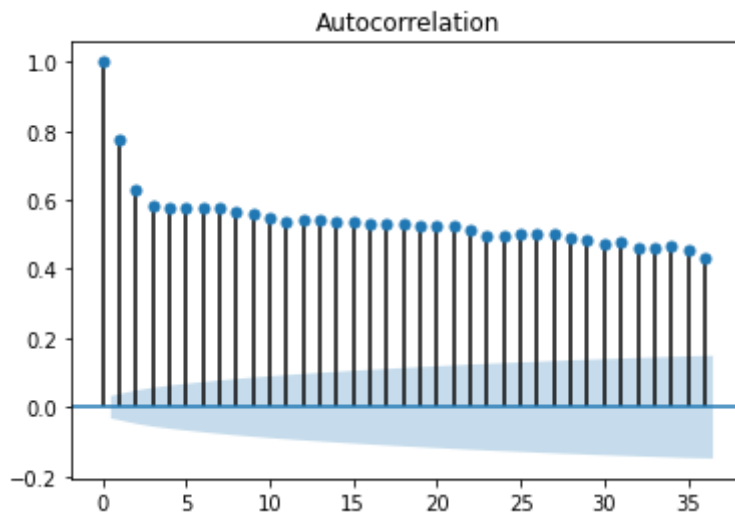

3.AUTOCORRELATION

```
from pandas import read_csv
```

```
from matplotlib import pyplot
from statsmodels.graphics.tsaplots import plot_acf
series=read_csv("https://raw.githubusercontent.com/jbrownlee/Datasets/master/daily
plot_acf(series)
pyplot.show()
```
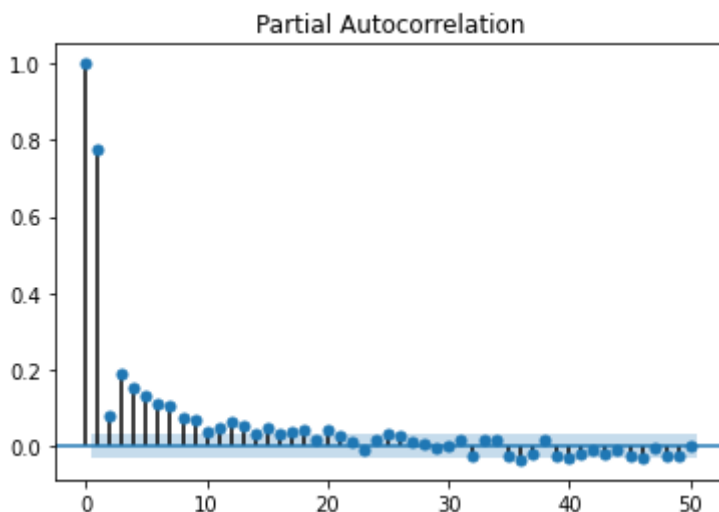

4.PARTIAL AUTOCORRELATION

```
from pandas import read_csv
from matplotlib import pyplot
from statsmodels.graphics.tsaplots import plot_pacf
series=read_csv('https://raw.githubusercontent.com/jbrownlee/Datasets/master/daily
plot_pacf(series,lags=50)
pyplot.show()
```

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