



Web Traffic

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```
import numpy as np
import pandas as pd
import pandas_profiling
import warnings
warnings.filterwarnings('ignore')
import datetime
from datetime import date

import seaborn as sns
import matplotlib.pyplot as plt
%matplotlib inline
sns.set_style("whitegrid")

# import chart_studio.plotly as py
import cufflinks as cf
import plotly.express as px

from plotly.offline import
download_plotlyjs,
init_notebook_mode, plot, iplot
init_notebook_mode(connected=True
)

cf.go_offline()

import pandas_profiling
import plotly.graph_objects as go

from sklearn.model_selection import
train_test_split, cross_val_score,
GridSearchCV
from sklearn.metrics import
```

```

accuracy_score
from sklearn.svm import SVR
from sklearn.linear_model import
LinearRegression
from sklearn.tree import
DecisionTreeRegressor
import xgboost as xg
# from prophet import
Prophetdf=pd.read_csv('../input/dail
y-website-visitors/daily-website-
visitors.csv')

df.rename(columns =
{'Day.Of.Week':'day_of_week'
      ,'Page.Loads':'page_loads'

,'Unique.Visits':'unique_visits'

,'First.Time.Visits':'first_visits'

,'Returning.Visits':'returning_visits'},
inplace = True)

df=df.replace(' ','',regex=True)

df['page_loads']=df['page_loads'].ast
ype(int)
df['unique_visits']=df['unique_visits'
].astype(int)
df['first_visits']=df['first_visits'].ast
ype(int)
df['returning_visits']=df['returning_
visits'].astype(int)

df|

```

Thank you