

DATA LOADING

```
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
import seaborn as sns
```

```
data = pd.read_csv('data.csv')
data.head()
```

```
data.info()
data.describe()
```

```
data['date'].dtypes
data['date'].dt.month
```

```
data['date'].dt.day
```

Data Preprocessing

```
data['date'] = pd.to_datetime(data['date'])
data.head()
```

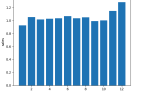
```
data['date'].dt.month
```

```
data['date'].dt.day
```

```
data['date'].dt.dayofweek
```

Exploratory Data Analysis

```
data['date'].dt.month
```



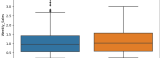
```
data['date'].dt.month
```

```
data['date'].dt.day
```

```
data['date'].dt.dayofweek
```



```
data['date'].dt.month
```



Splitting Data into Train and Test

```
data['date'].dt.month
```

```
data['date'].dt.day
```

Training a Machine Learning Model

```
data['date'].dt.month
```

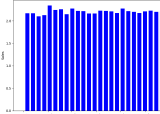
```
data['date'].dt.day
```

Evaluating the Model

```
data['date'].dt.month
```

```
data['date'].dt.day
```

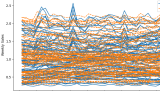
```
data['date'].dt.dayofweek
```



Actual vs Predicted Sales

```
data['date'].dt.month
```

```
data['date'].dt.day
```



```
data['date'].dt.month
```

```
data['date'].dt.day
```

```
data['date'].dt.dayofweek
```

