```python
import warnings
warnings.filterwarnings("ignore")
import pandas as pd
import numpy as np
import matplotlib.pyplot as plt
%matplotlib inline
import seaborn as sns
from sklearn.model_selection import train_test_split
import statsmodels.stats.api as sms
from statsmodels.stats.outliers_influence import variance_inflation_factor
import statsmodels.api as sm
from statsmodels.tools.tools import add_constant
from sklearn import metrics
from sklearn.metrics import accuracy_score, roc_curve, confusion_matrix, roc_
from sklearn.tree import DecisionTreeClassifier
from sklearn import tree
```

```python
df = pd.read_csv('/Users/conne/Downloads/INNHotelsGroup.csv')
```

```python
df.head()
```

```python
df.tail()
```

```python
df.info()
df.shape
```

```python
print(df.value_counts(subset='type_of_meal_plan'))
print(df.value_counts(subset='room_type_reserved'))
print(df.value_counts(subset='market_segment_type'))
print(df.value_counts(subset='booking_status'))
```

```python
df.describe()
```