

2 This will print the first five rows of the DataFrame
import pandas as pd

Load the CSV file into a DataFrame
autos = pd.read_csv('autos.csv', encoding='latin-1')

Print the first five rows of the DataFrame to verify the data has been loaded correctly
print(autos.head())

Find the average price of autos using the price column of the dataset:
python
avg_price = autos['price'].mean()
print('Average Price:', avg_price)

Print the list of different possible types of VehicleType found in the dataset:
vehicle_types = autos['vehicleType'].unique()
print('Vehicle Types:', vehicle_types)

Calculate and print the lowest yearOfRegistration and highest yearOfRegistration:
lowest_yor = autos['yearOfRegistration'].min()
highest_yor = autos['yearOfRegistration'].max()
print('Lowest Year of Registration:', lowest_yor)
print('Highest Year of Registration:', highest_yor)

Find and print the standard deviation of the column kilometer
sd_kilometer = autos['kilometer'].std()
print('Standard Deviation of Kilometer Column:', sd_kilometer)

Draw a bar graph to represent the count of different types of column brand:
import matplotlib.pyplot as plt

brand_counts = autos['brand'].value_counts()
plt.bar(brand_counts.index, brand_counts)
plt.xlabel('Brand')
plt.ylabel('Count')
plt.title('Count of Different Brands')
plt.show()

Find out which VehicleType is sold minimum and maximum:
min_vehicle_type = autos['vehicleType'].value_counts().idxmin()
max_vehicle_type = autos['vehicleType'].value_counts().idxmax()
print('Vehicle Type with Minimum Sales:', min_vehicle_type)
print('Vehicle Type with Maximum Sales:', max_vehicle_type)

Create a pie chart to represent different types of gearbox count:
gearbox_counts = autos['gearbox'].value_counts()
plt.pie(gearbox_counts, labels=gearbox_counts.index, autopct='% 1.1f%% %')
plt.title('Gearbox Count')
plt.show()