```
import pandas as pd
import numpy as np
df = pd.read excel("FEV-data-Excel.xlsx", sheet name="Auta
elektryczne")
energy consumption = df["mean - Energy consumption [kWh/100
km]"].dropna()
Q1 = energy consumption.quantile(0.25)
Q3 = energy consumption.quantile(0.75)
IQR = 03 - 01
lower bound = Q1 - 1.5 * IQR
upper bound = Q3 + 1.5 * IQR
outliers = df[
    (df["mean - Energy consumption [kWh/100 km]"] < lower bound) |</pre>
    (df["mean - Energy consumption [kWh/100 km]"] > upper bound)
print("--- Outliers in Energy Consumption (kWh/100 km) ---")
print(outliers[["Car full name", "mean - Energy consumption [kWh/100
km]"]])
print("\n--- Summary Statistics ---")
print(f"Q1 (25th percentile): {Q1:.2f} kWh/100 km")
print(f"Q3 (75th percentile): {Q3:.2f} kWh/100 km")
print(f"IQR: {IQR:.2f} kWh/100 km")
print(f"Lower bound (01 - 1.5*IOR): {lower bound:.2f} kWh/100 km")
print(f"Upper bound (Q3 + 1.5*IQR): {upper bound:.2f} kWh/100 km")
--- Outliers in Energy Consumption (kWh/100 km) ---
Empty DataFrame
Columns: [Car full name, mean - Energy consumption [kWh/100 km]]
Index: []
--- Summary Statistics ---
01 (25th percentile): 15.60 kWh/100 km
Q3 (75th percentile): 23.50 kWh/100 km
IQR: 7.90 kWh/100 km
Lower bound (Q1 - 1.5*IQR): 3.75 \text{ kWh}/100 \text{ km}
Upper bound (Q3 + 1.5*IQR): 35.35 kWh/100 km
```