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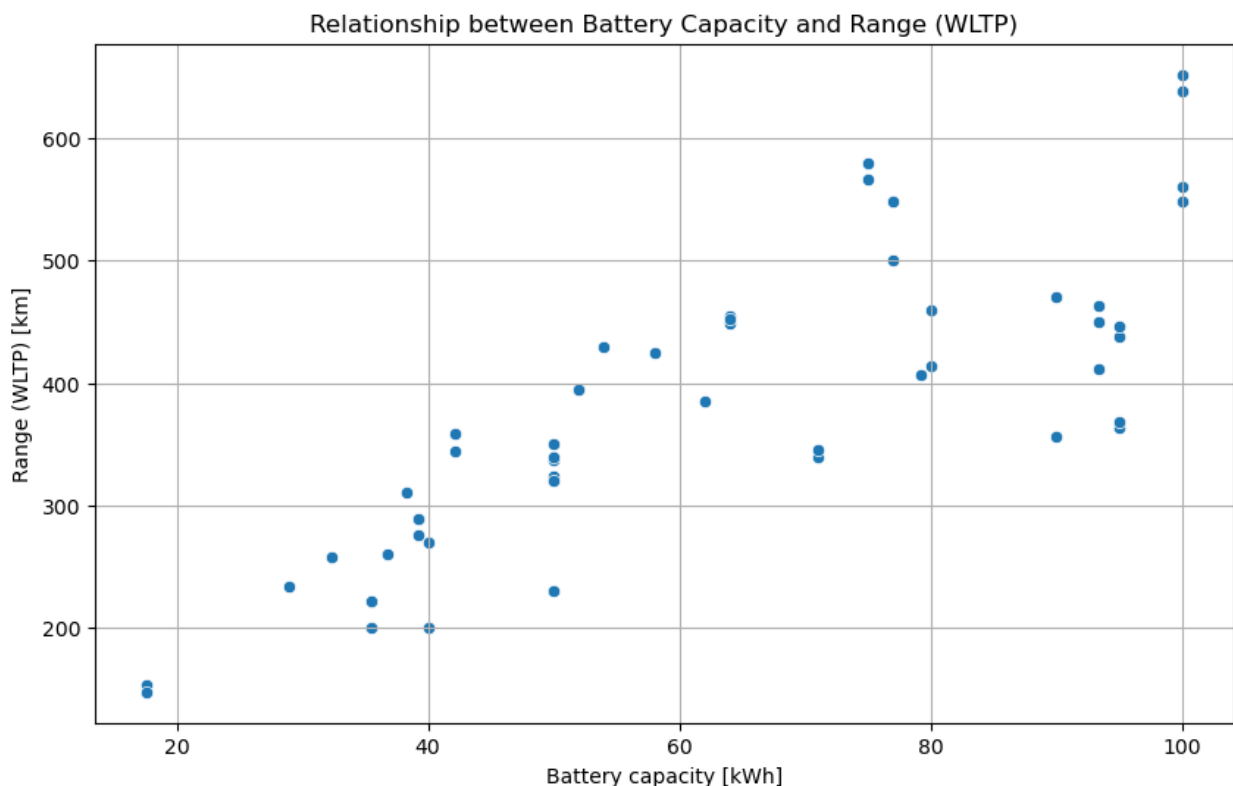
import pandas as pd
import matplotlib.pyplot as plt
import seaborn as sns

df = pd.read_excel("FEV-data-Excel.xlsx", sheet_name= "Auta
elektryczne")

plt.figure(figsize = (10,6))
sns.scatterplot(x="Battery capacity [kWh]", y= "Range (WLTP) [km]",
data=df)

plt.title("Relationship between Battery Capacity and Range (WLTP)")
plt.xlabel("Battery capacity [kWh]")
plt.ylabel("Range (WLTP) [km]")
plt.grid(True)
plt.show()

```



```

correlation = df["Battery capacity [kWh]"].corr(df["Range (WLTP)
[km]"])
print(f"Pearson correlation coefficient between Battery capacity and
Range: {correlation:.2f}")

```

Pearson correlation coefficient between Battery capacity and Range:
0.81

