

 Jupyter

Untitled10

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        Code

Python 3 (ipykernel)

[1]:  
`import pandas as pd`

[2]:  
`df=pd.read_excel("Electric_vehicles.xlsx")`

[5]:  
`df.rename(columns={'mean - Energy consumption [kWh/100 km]':`

[6]:  
`Q1=df.Energy_Consumption.quantile(0.25)`  
`Q3=df.Energy_Consumption.quantile(0.75)`  
`Q1,Q3`

[6]:  
`(np.float64(15.6), np.float64(23.5))`

[8]:  
`IQR= Q3-Q1`  
`IQR`

[8]:  
`np.float64(7.9)`

[13]:  
`lower_limit = Q1 - 1.5*IQR`  
`upper_limit = Q3 + 1.5*IQR`  
`lower_limit, upper_limit`

[13]:  
`(np.float64(3.7499999999999982), np.float64(35.35))`

[14]:  
`df[(df.Energy_Consumption<lower_limit)|(df.Energy_Consumption>upper_limit)]`

[14]:

Car full name	Make	Model	Minimal price (gross) [PLN]	Engine power [KM]	Maximum torque [Nm]	Type of brakes	Drive type	Battery capacity [kWh]	Range (WLTP) [km]	Permissable gross weight [kg]	Maximum load capacity [kg]	Number of seats	Number of doors	Tire size [in]	Maximum speed [kph]
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0 rows × 16 columns

localhost:8890/notebooks/Untitled10.ipynb

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