

# Overview

Dataset statistics	
Number of variables	15
Number of observations	103
Missing cells	0
Missing cells (%)	0.0%
Duplicate rows	0
Duplicate rows (%)	0.0%
Total size in memory	51.0 KiB
Average record size in memory	506.6 B

Variable types	
Numeric	7
Categorical	6
Text	1
Boolean	1

Alerts

AccelSec is highly overall correlated with Efficiency_WhKm and 6 other fields (Efficiency_WhKm, FastCharge_KmH, PowerTrain, PriceEuro, Range_Km, Segment, TopSpeed_KmH)	High correlation
BodyStyle is highly overall correlated with PriceEuro and 3 other fields (PriceEuro, Seats, Segment, TopSpeed_KmH)	High correlation
Brand is highly overall correlated with PowerTrain	High correlation
Efficiency_WhKm is highly overall correlated with AccelSec and 2 other fields (AccelSec, PriceEuro, TopSpeed_KmH)	High correlation
FastCharge_KmH is highly overall correlated with AccelSec and 4 other fields (AccelSec, PowerTrain, PriceEuro, Range_Km, TopSpeed_KmH)	High correlation
PowerTrain is highly overall correlated with AccelSec and 5 other fields (AccelSec, Brand, FastCharge_KmH, PriceEuro, Segment, TopSpeed_KmH)	High correlation
PriceEuro is highly overall correlated with AccelSec and 7 other fields (AccelSec, BodyStyle, Efficiency_WhKm, FastCharge_KmH, PowerTrain, Range_Km, Segment, TopSpeed_KmH)	High correlation
Range_Km is highly overall correlated with AccelSec and 3 other fields (AccelSec, FastCharge_KmH, PriceEuro, TopSpeed_KmH)	High correlation
Seats is highly overall correlated with BodyStyle and 1 other fields (BodyStyle, Segment)	High correlation
Segment is highly overall correlated with AccelSec and 5 other fields (AccelSec, BodyStyle, PowerTrain, PriceEuro, Seats, TopSpeed_KmH)	High correlation
TopSpeed_KmH is highly overall correlated with AccelSec and 7 other fields (AccelSec, BodyStyle, Efficiency_WhKm, FastCharge_KmH, PowerTrain, PriceEuro, Range_Km, Segment)	High correlation
PlugType is highly imbalanced (65.5%)	Imbalance
Unnamed: 0 is uniformly distributed	Uniform
Unnamed: 0 has unique values	Unique

Reproduction

Analysis started	2024-03-04 08:24:56.412518
Analysis finished	2024-03-04 08:25:18.384224
Duration	21.97 seconds
Software version	ydata-profiling vv4.6.5 ( <a href="https://github.com/ydataai/ydata-profiling">https://github.com/ydataai/ydata-profiling</a> )
Download configuration	config.json (data:text/plain;charset=utf-8,%7B%22title%22%3A%20%22ev_data%22%2C%20%22dataset%22%3A%20%7B%22description%22%3A%20%22%22%2C%20%22creator%22%3A%

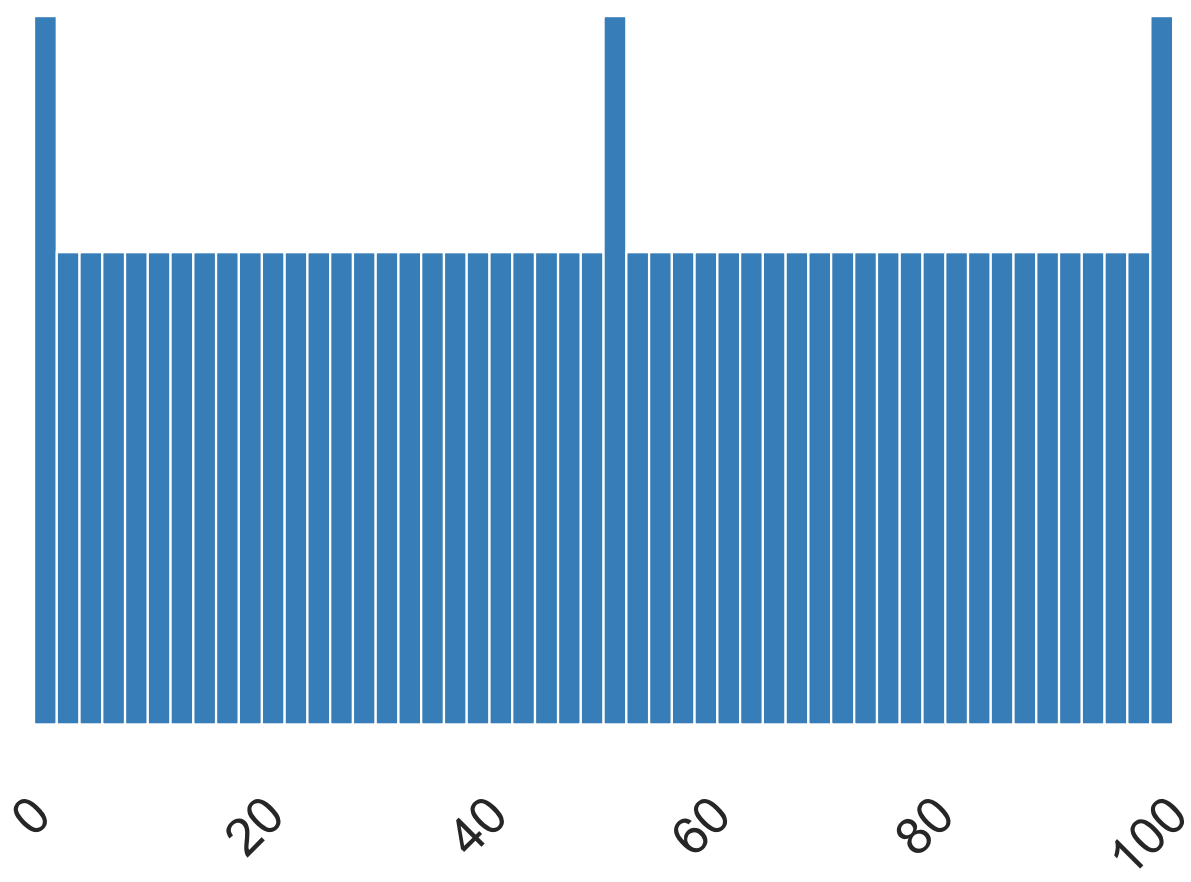
# Variables

Unnamed: 0

Unnamed: 0  
Real number (R)

UNIFORM    UNIQUE

Distinct	103
Distinct (%)	100.0%
Missing	0
Missing (%)	0.0%
Infinite	0
Infinite (%)	0.0%
Mean	51
Minimum	0
Maximum	102
Zeros	1
Zeros (%)	1.0%
Negative	0
Negative (%)	0.0%
Memory size	956.0 B



Quantile statistics

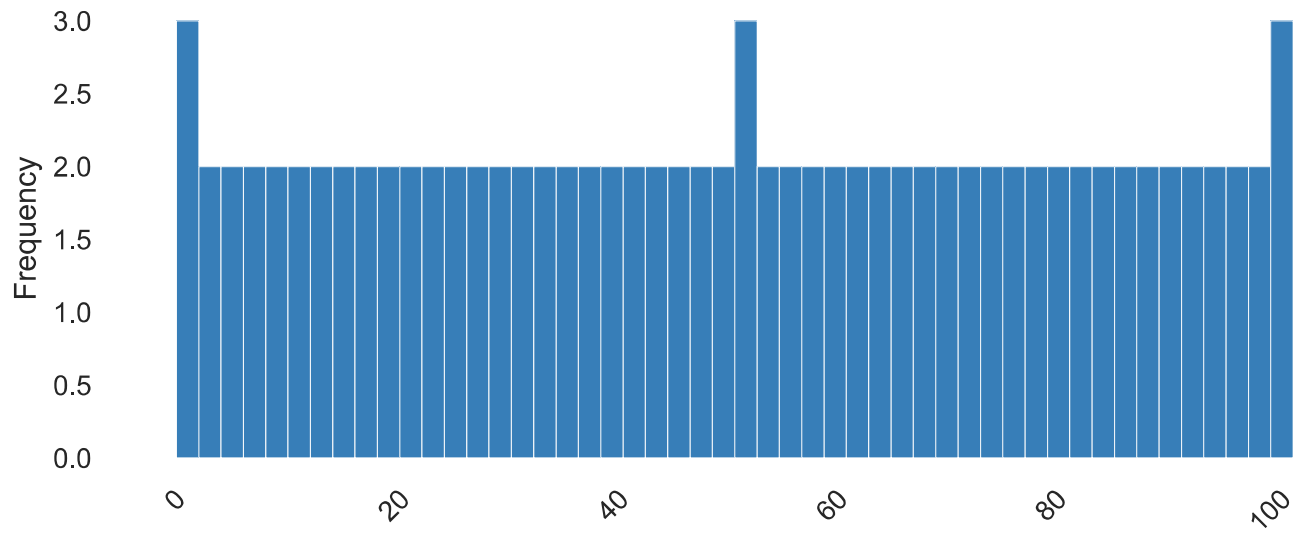
Minimum	0
5-th percentile	5.1
Q1	25.5
median	51
Q3	76.5
95-th percentile	96.9
Maximum	102
Range	102
Interquartile range (IQR)	51

Descriptive statistics

Standard deviation	29.877528
Coefficient of variation (CV)	0.58583388
Kurtosis	-1.2
Mean	51
Median Absolute Deviation (MAD)	26
Skewness	0
Sum	5253
Variance	892.66667

Monotonicity

Strictly increasing



Histogram with fixed size bins (bins=50)

Value	Count	Frequency (%)
0	1	1.0%
65	1	1.0%
75	1	1.0%
74	1	1.0%
73	1	1.0%
72	1	1.0%
71	1	1.0%
70	1	1.0%
69	1	1.0%
68	1	1.0%
Other values (93)	93	90.3%



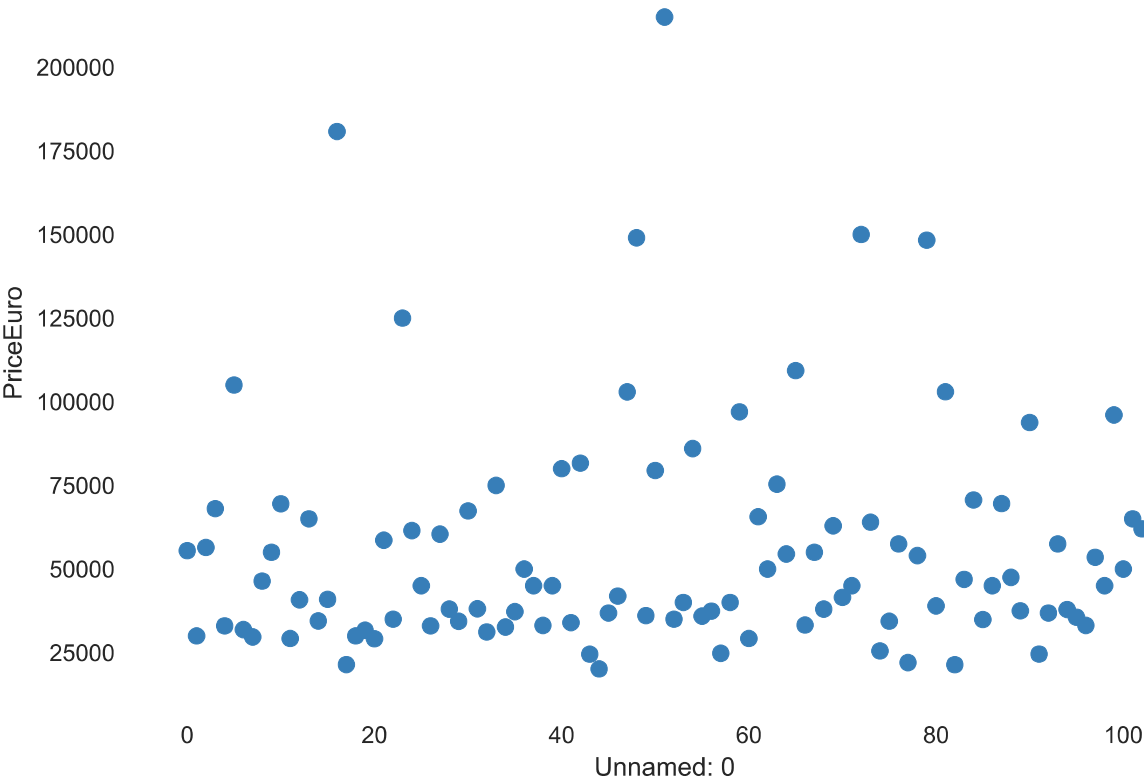
Value	Count	Frequency (%)
0	1	1.0%
1	1	1.0%
2	1	1.0%
3	1	1.0%
4	1	1.0%
5	1	1.0%
6	1	1.0%
7	1	1.0%
8	1	1.0%
9	1	1.0%

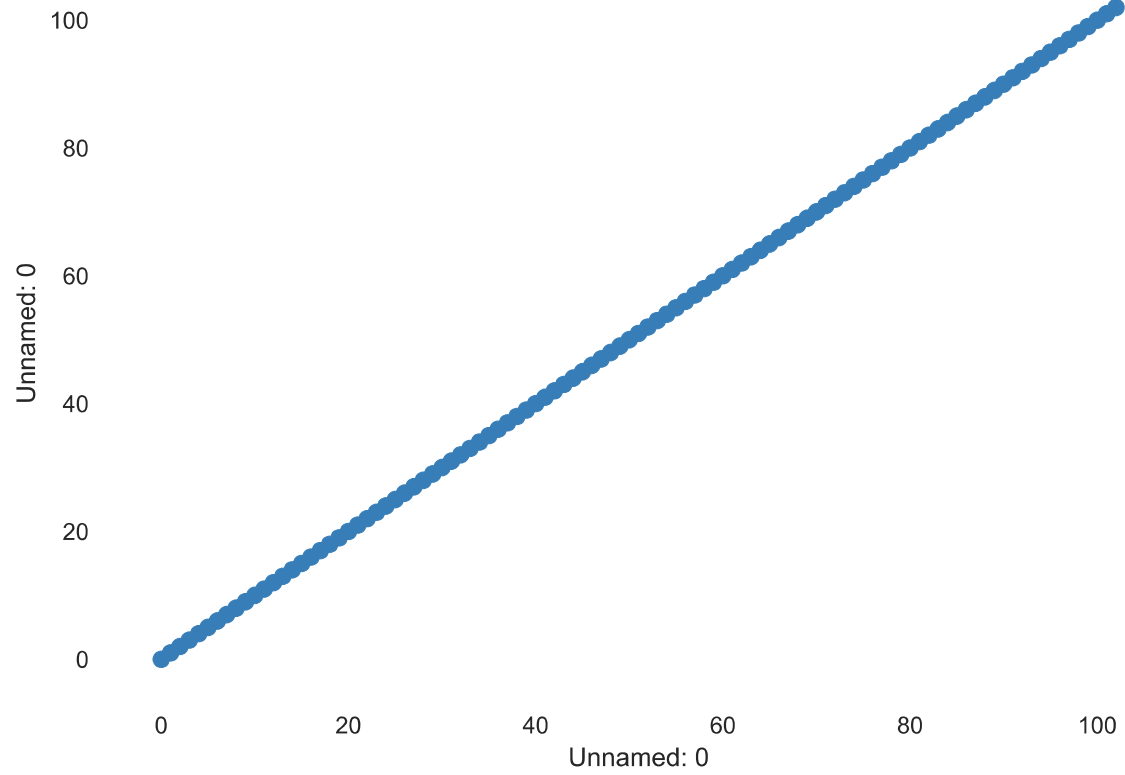
Value	Count	Frequency (%)
102	1	1.0%
101	1	1.0%
100	1	1.0%
99	1	1.0%
98	1	1.0%
97	1	1.0%
96	1	1.0%
95	1	1.0%
94	1	1.0%
93	1	1.0%

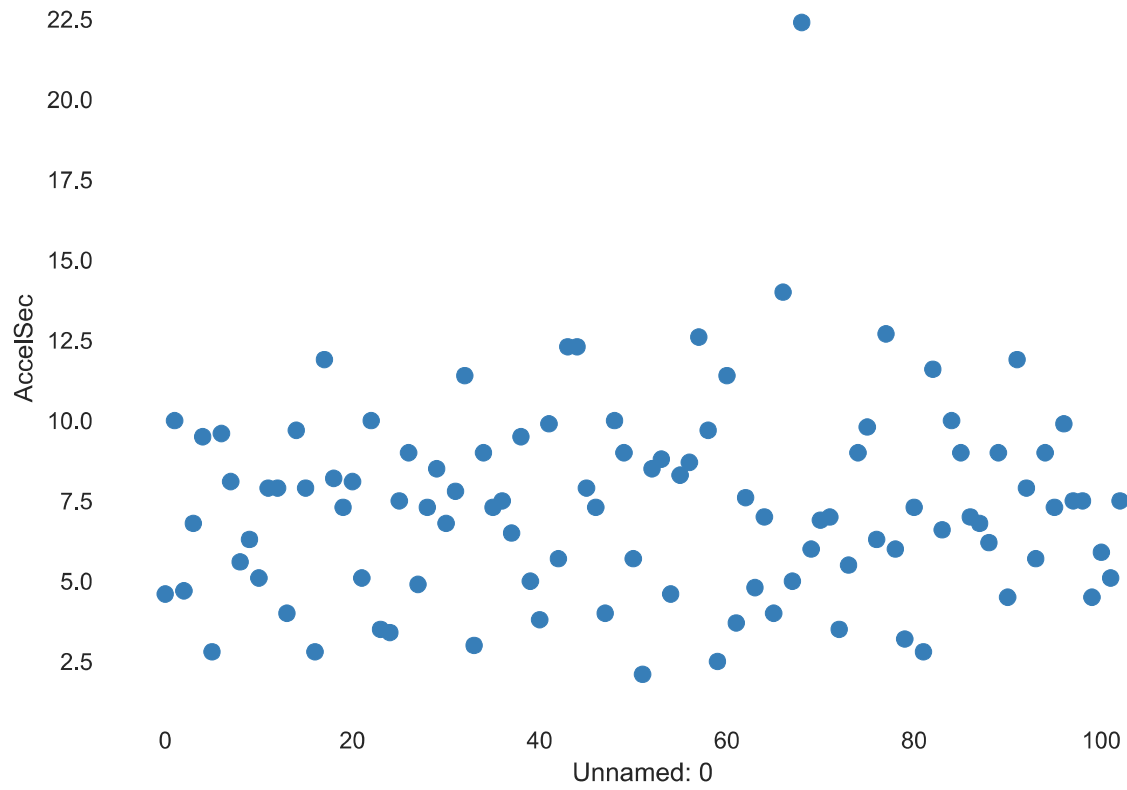


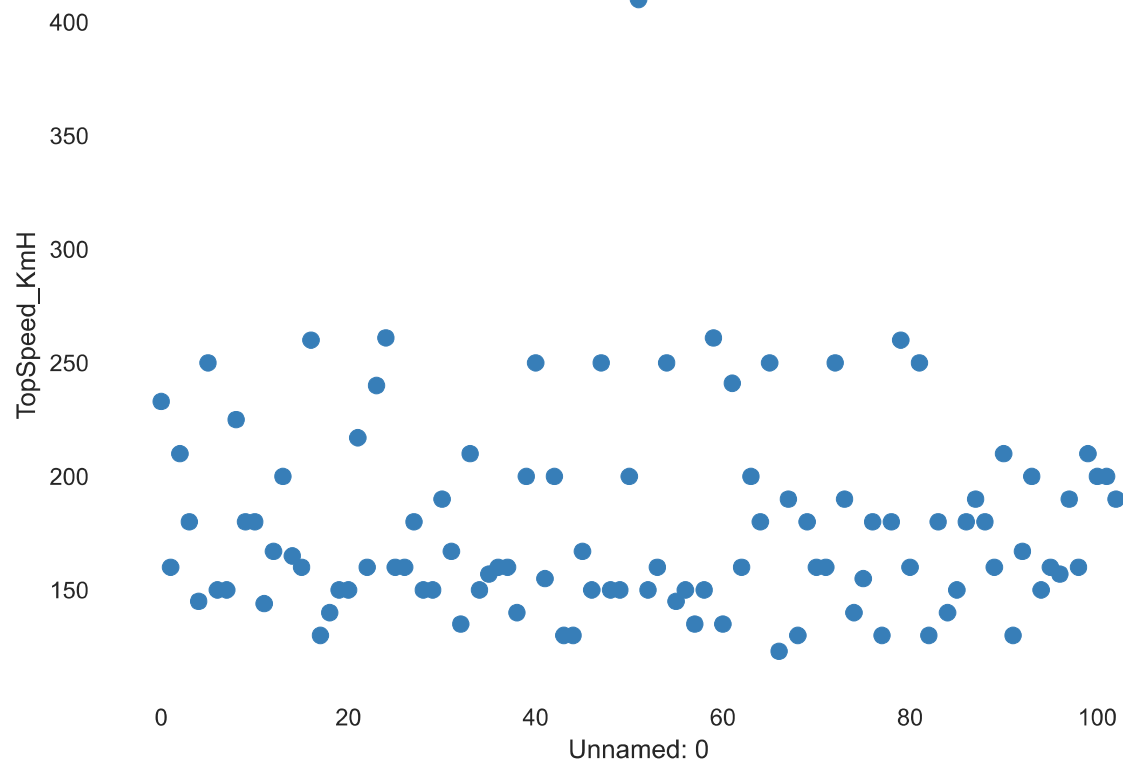


# Interactions

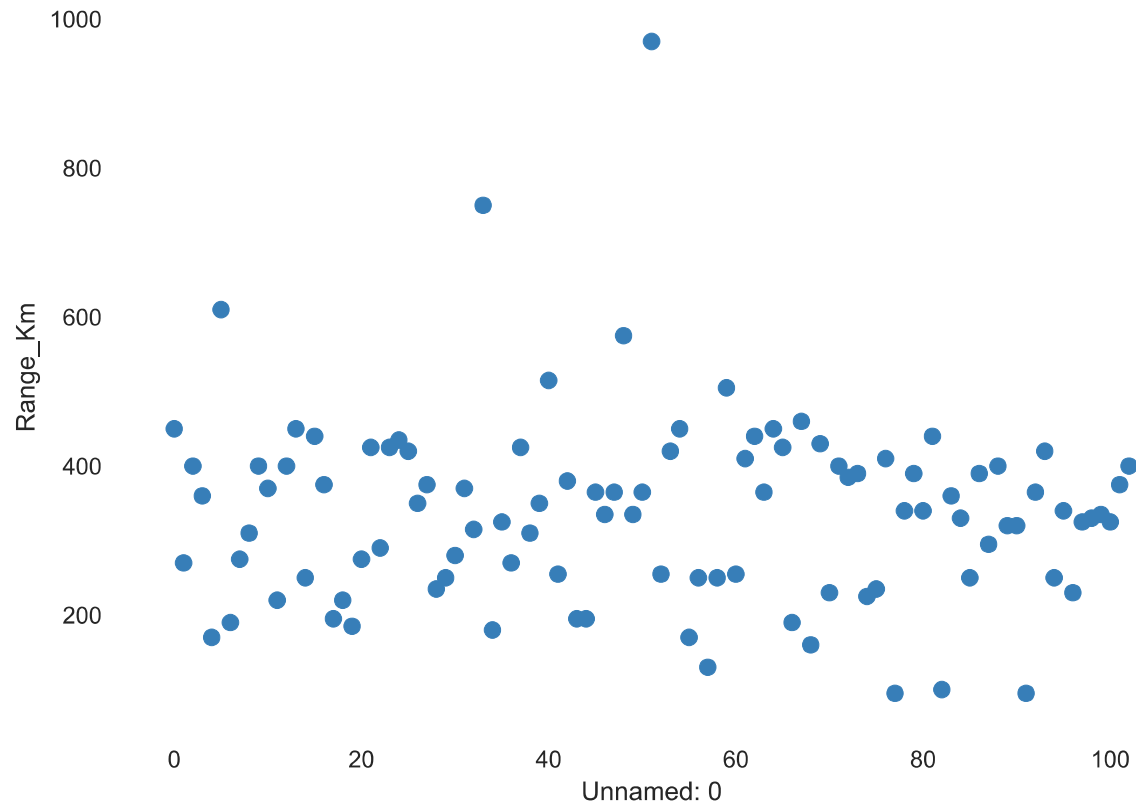


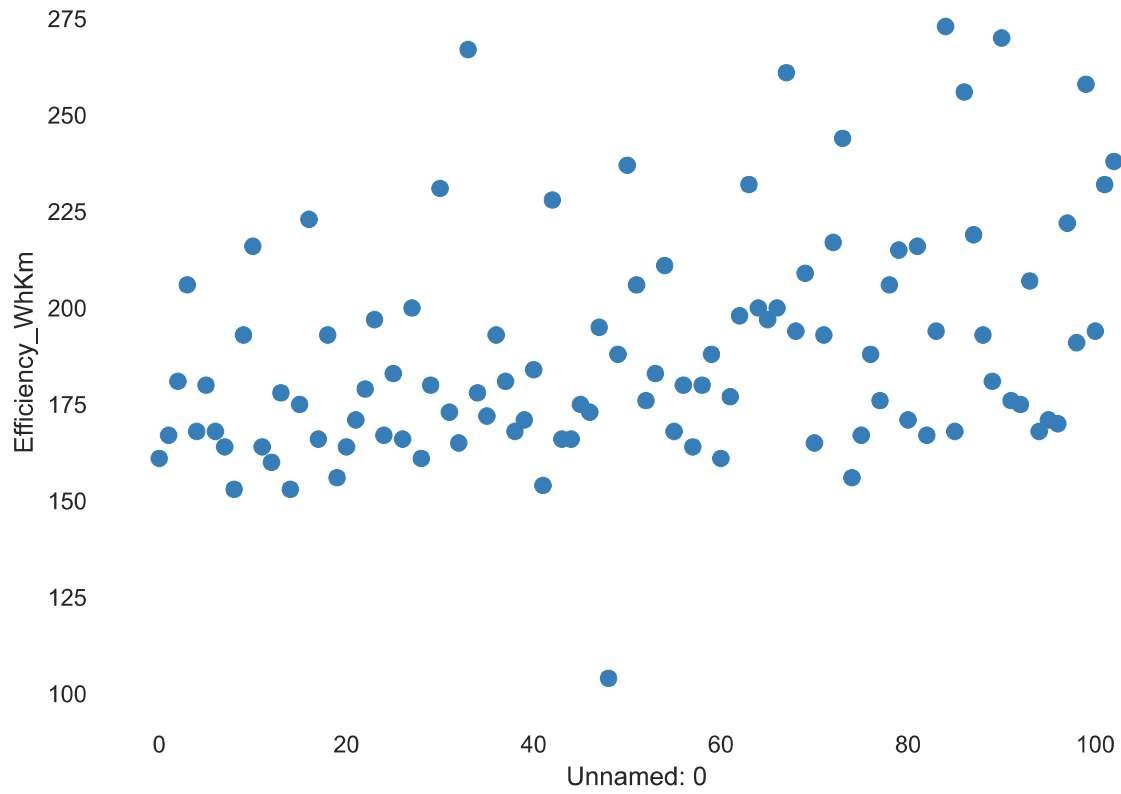


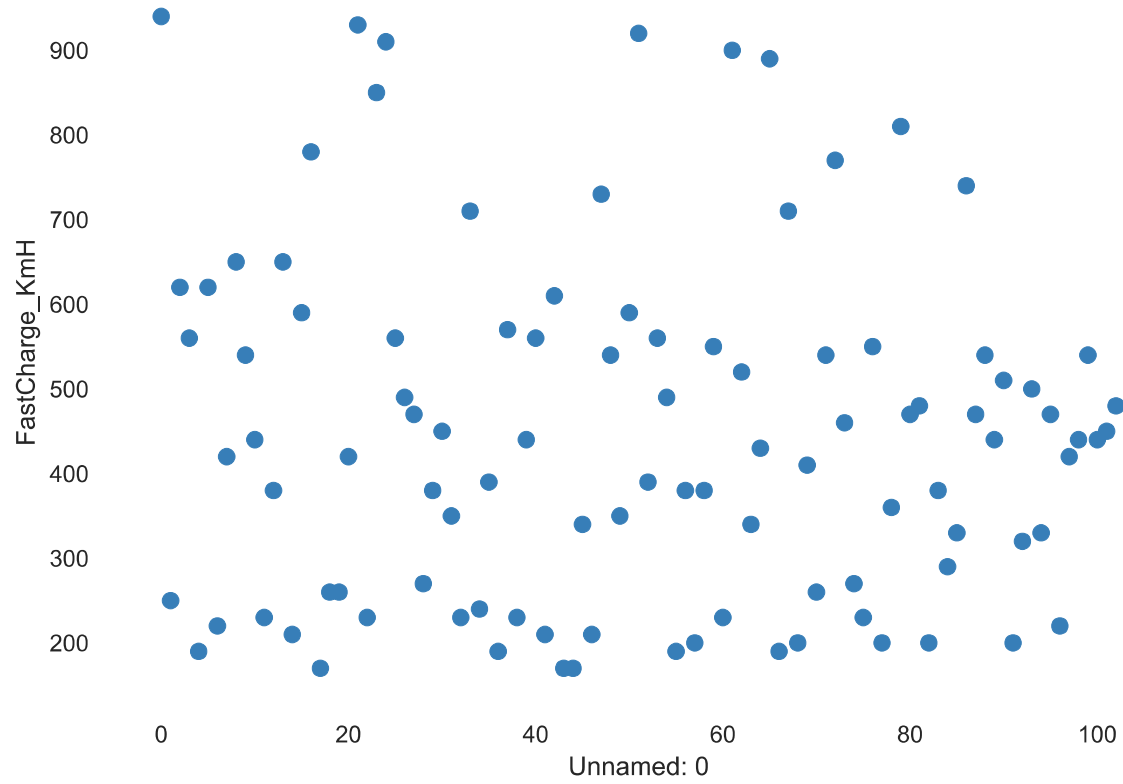




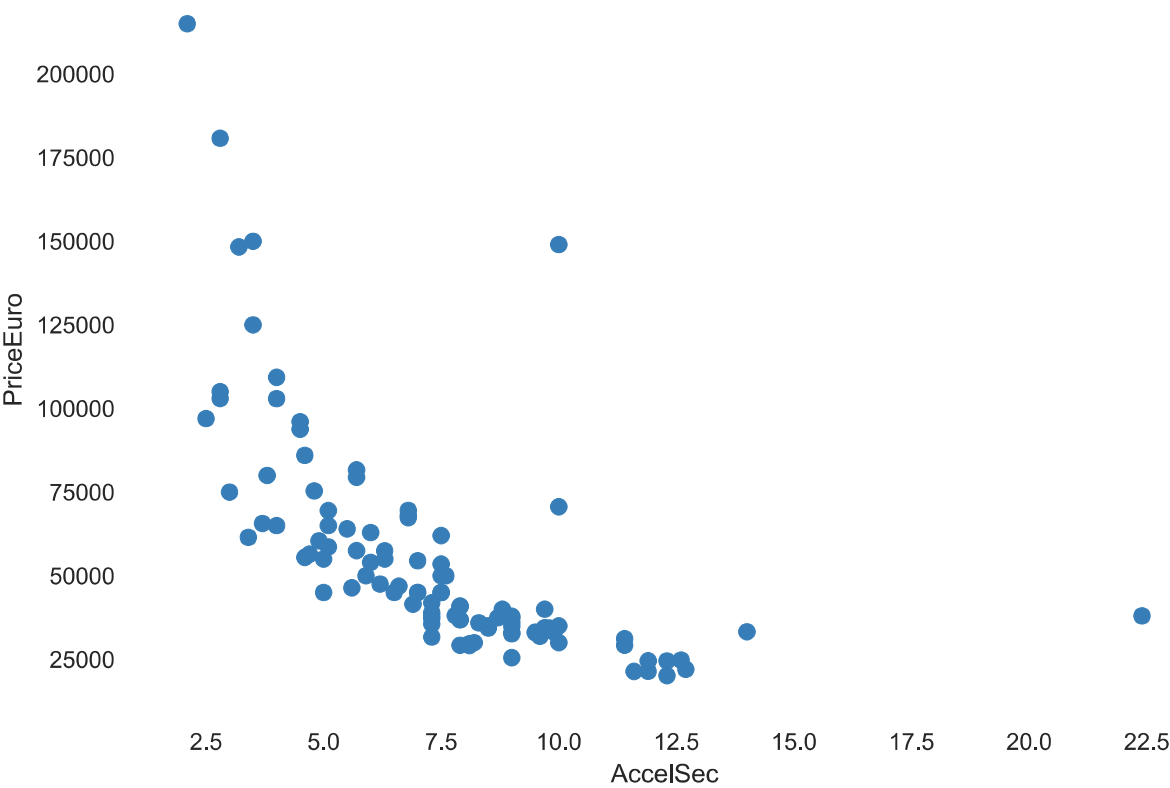


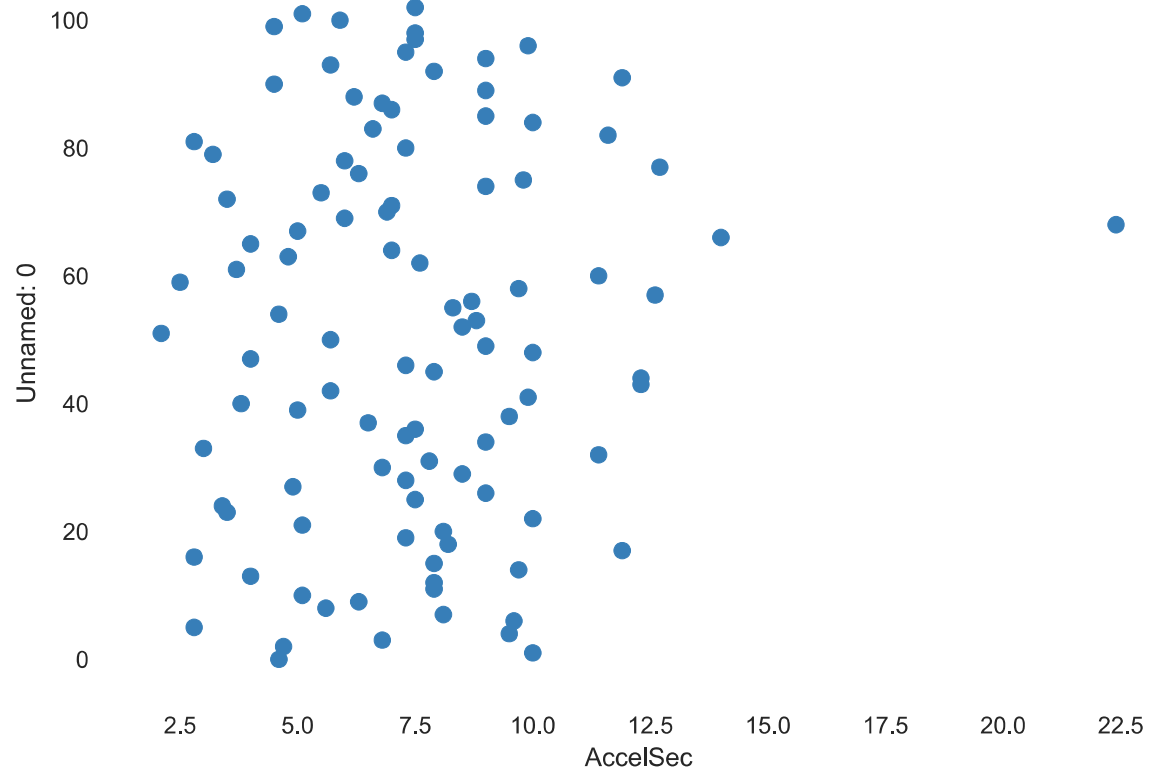


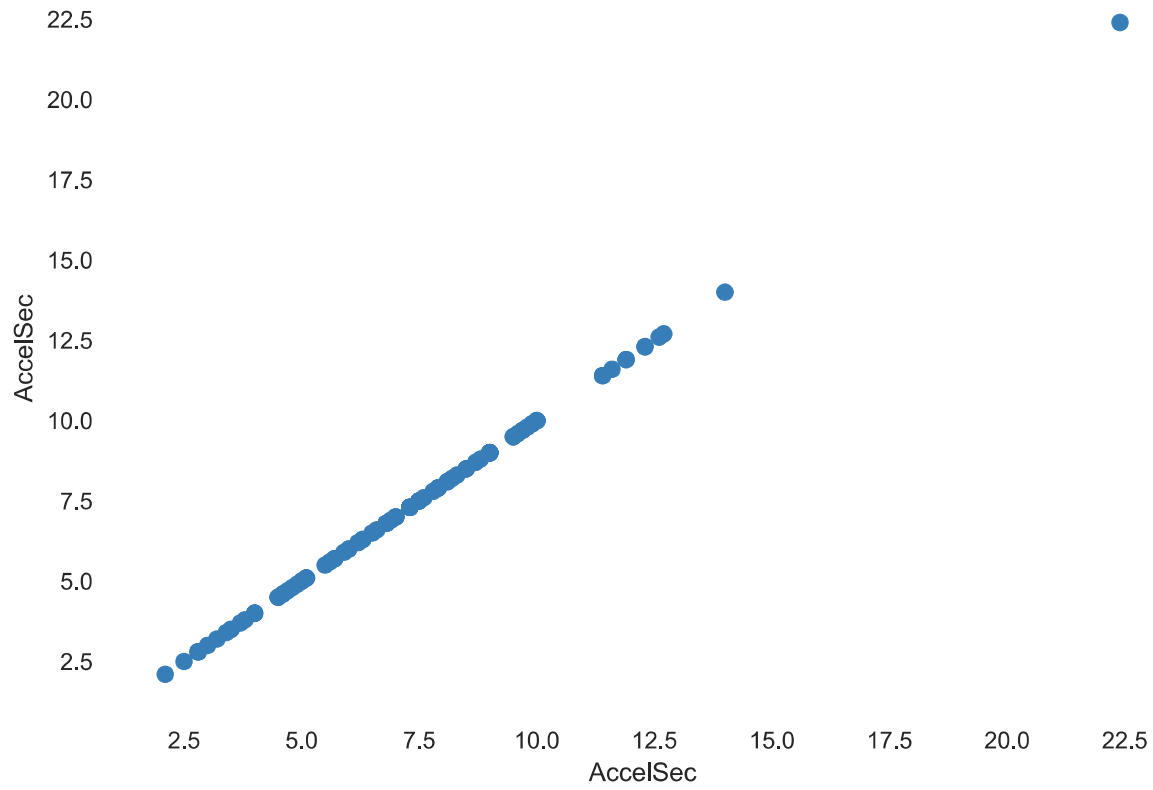


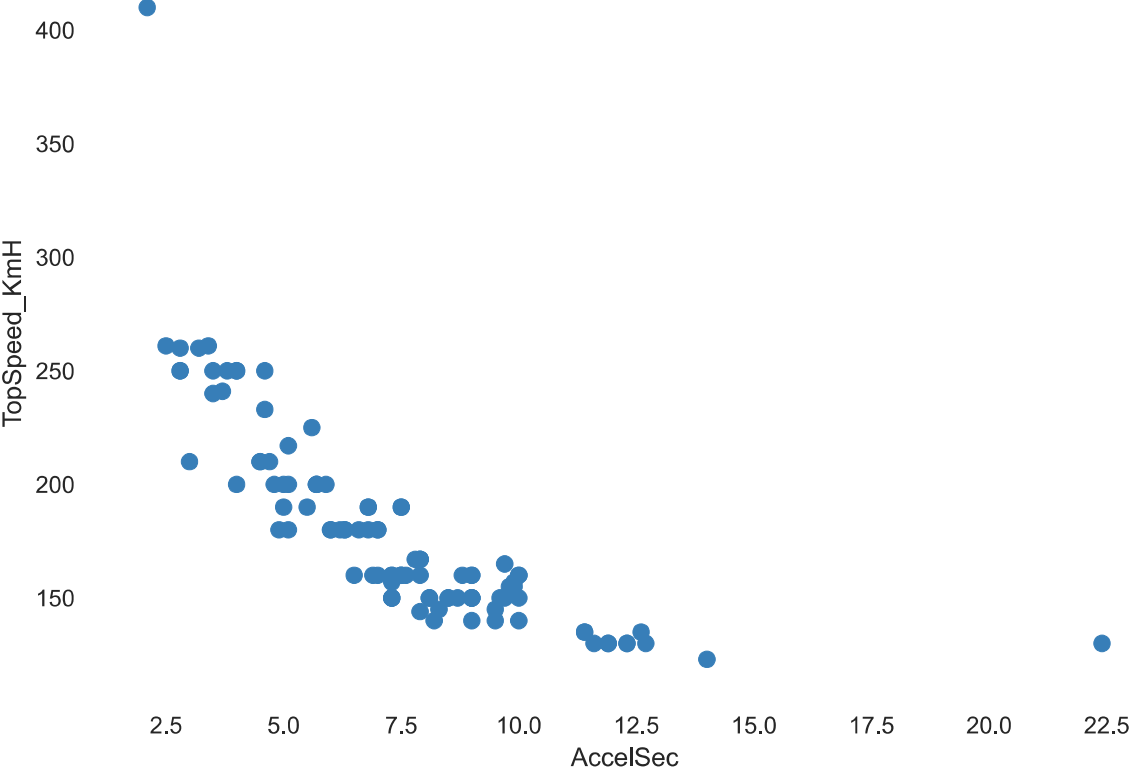




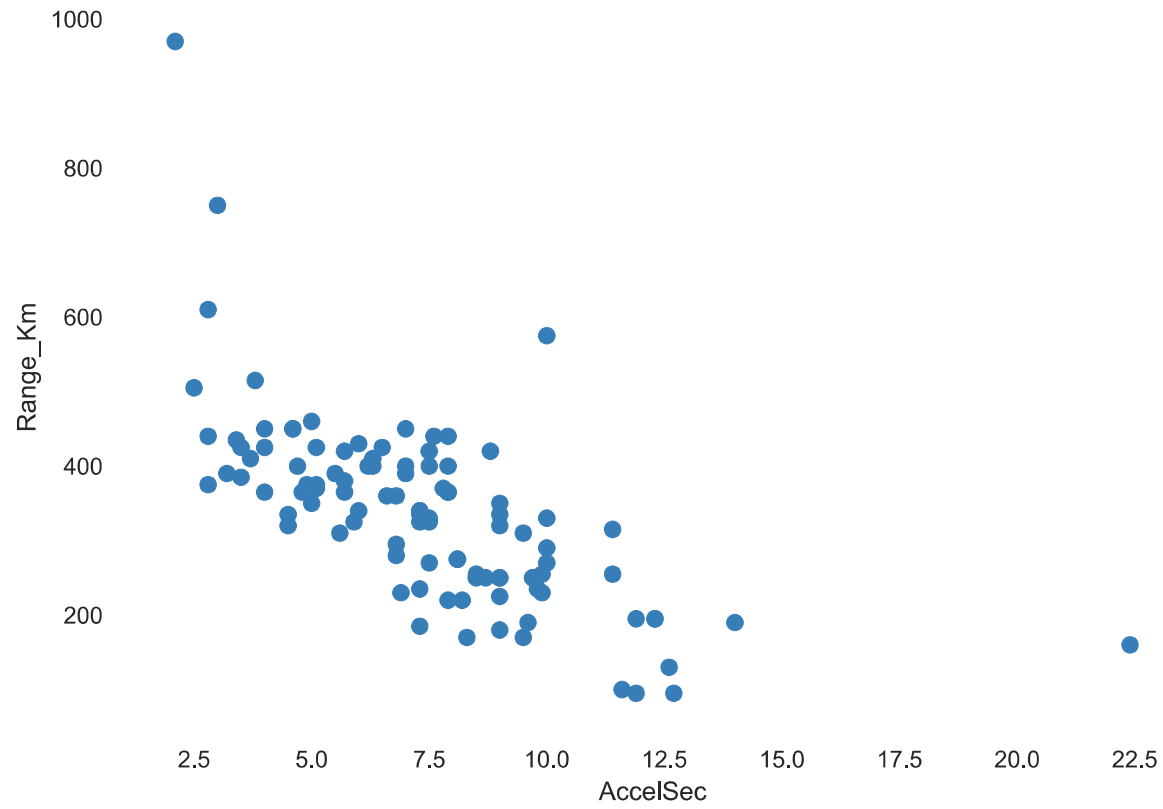


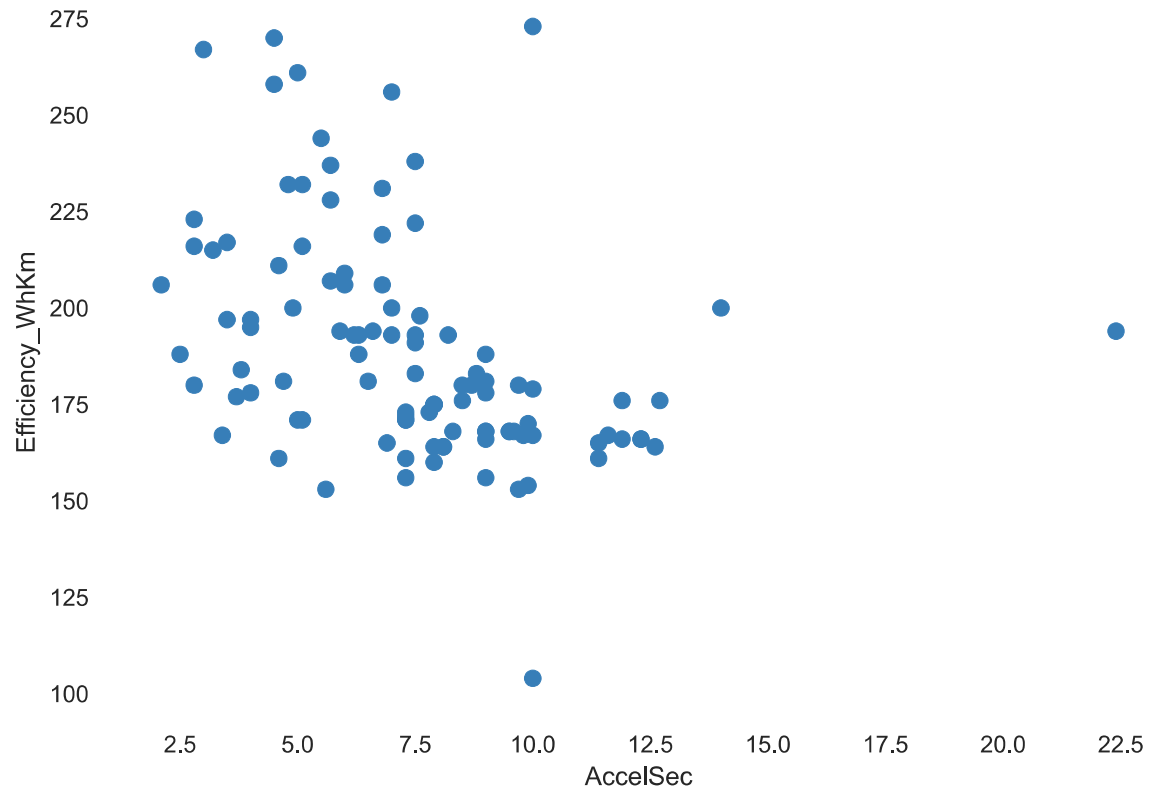


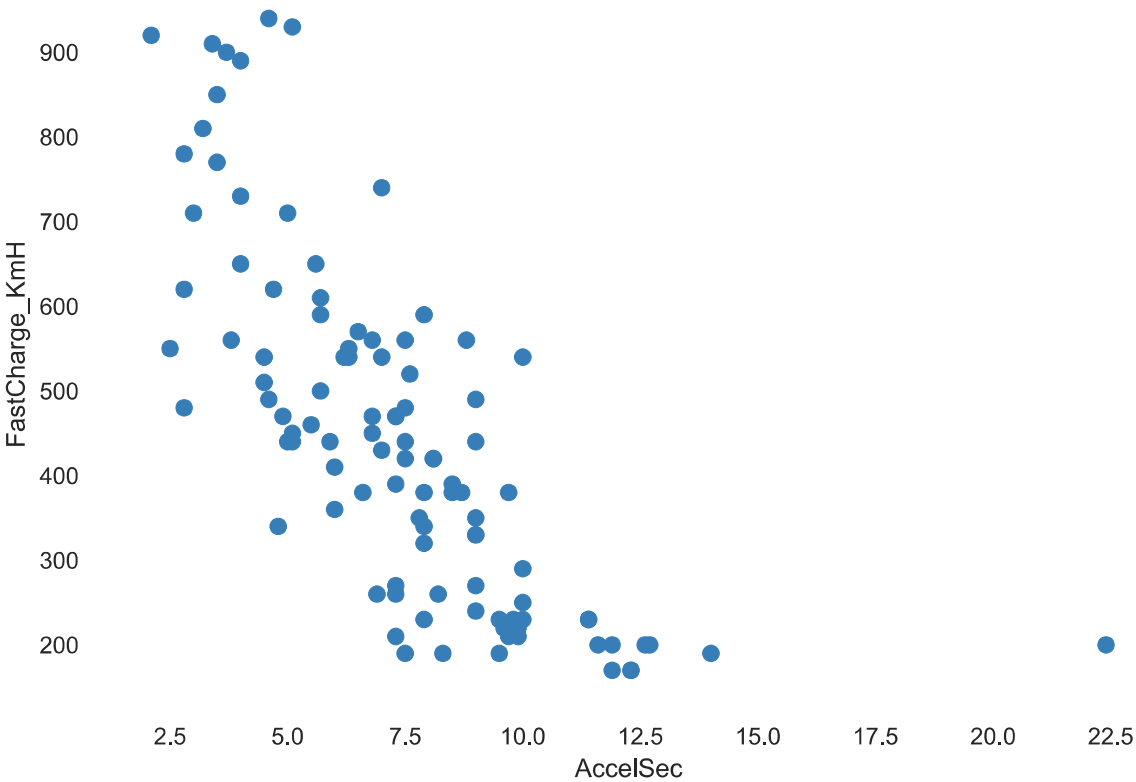




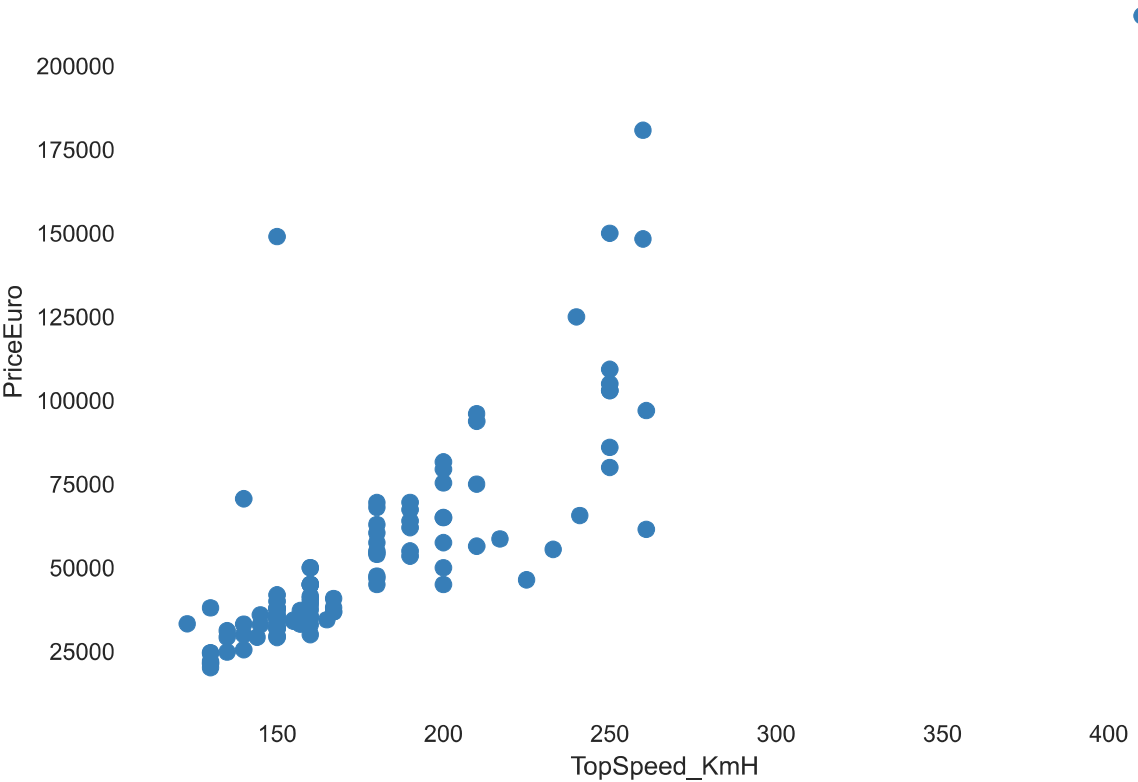


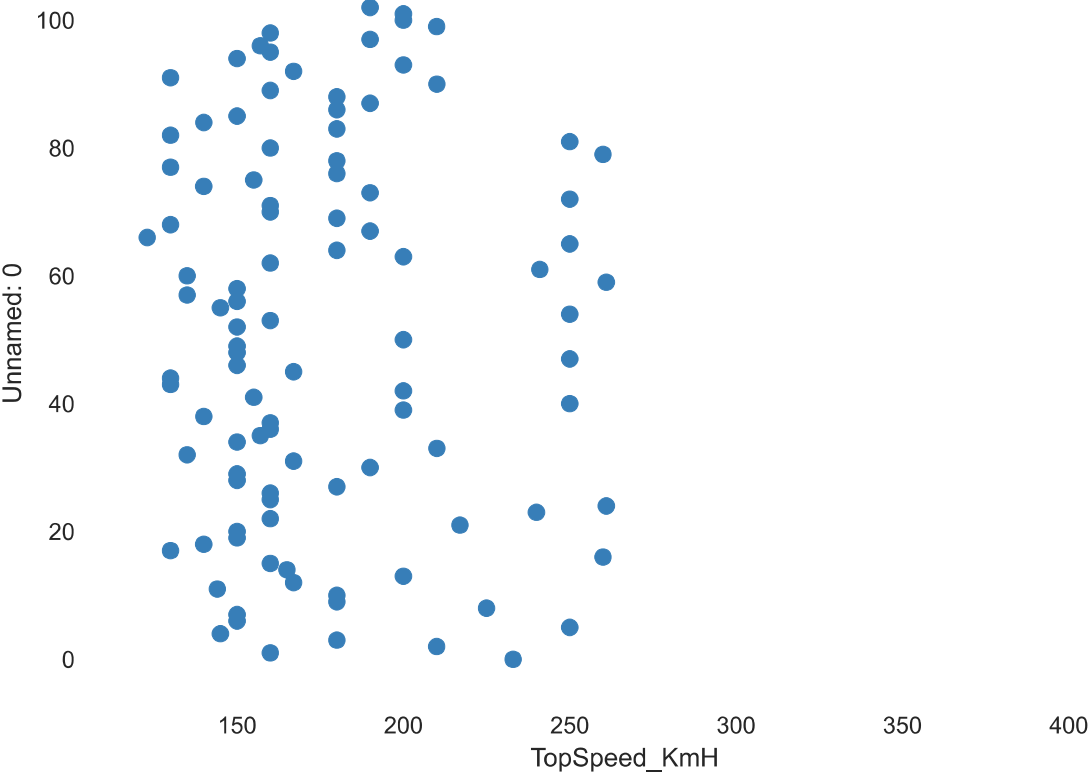


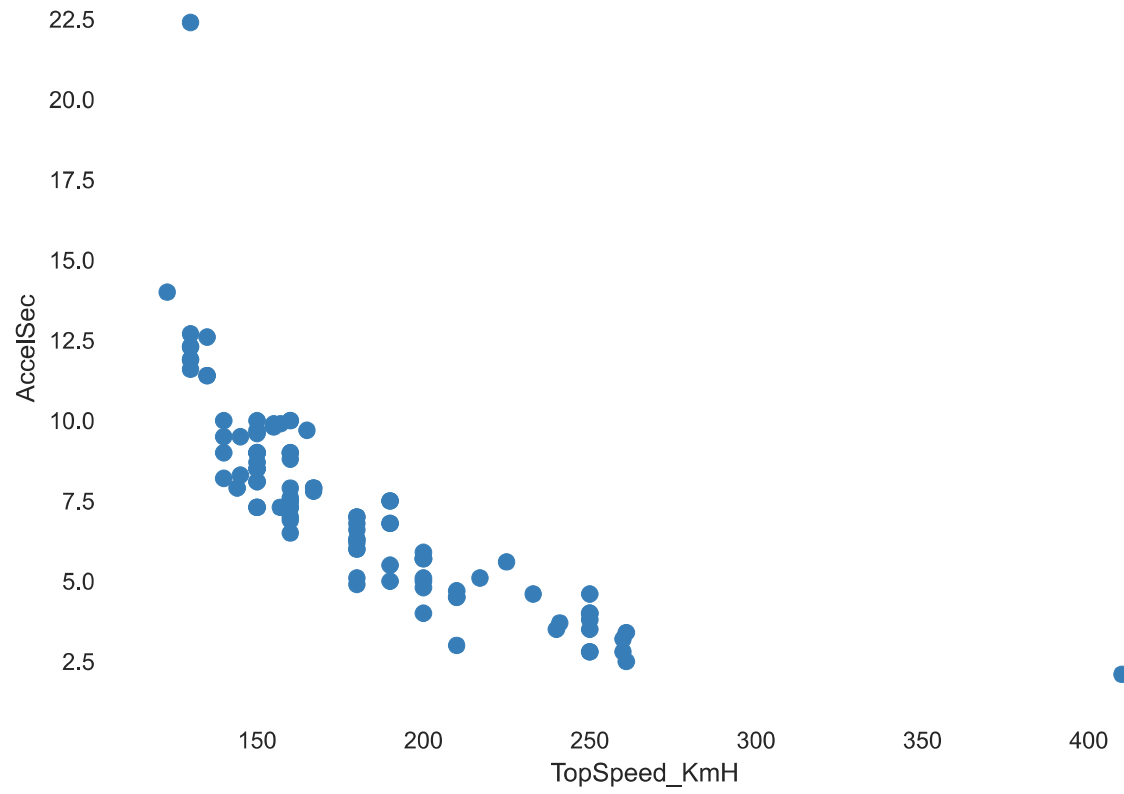


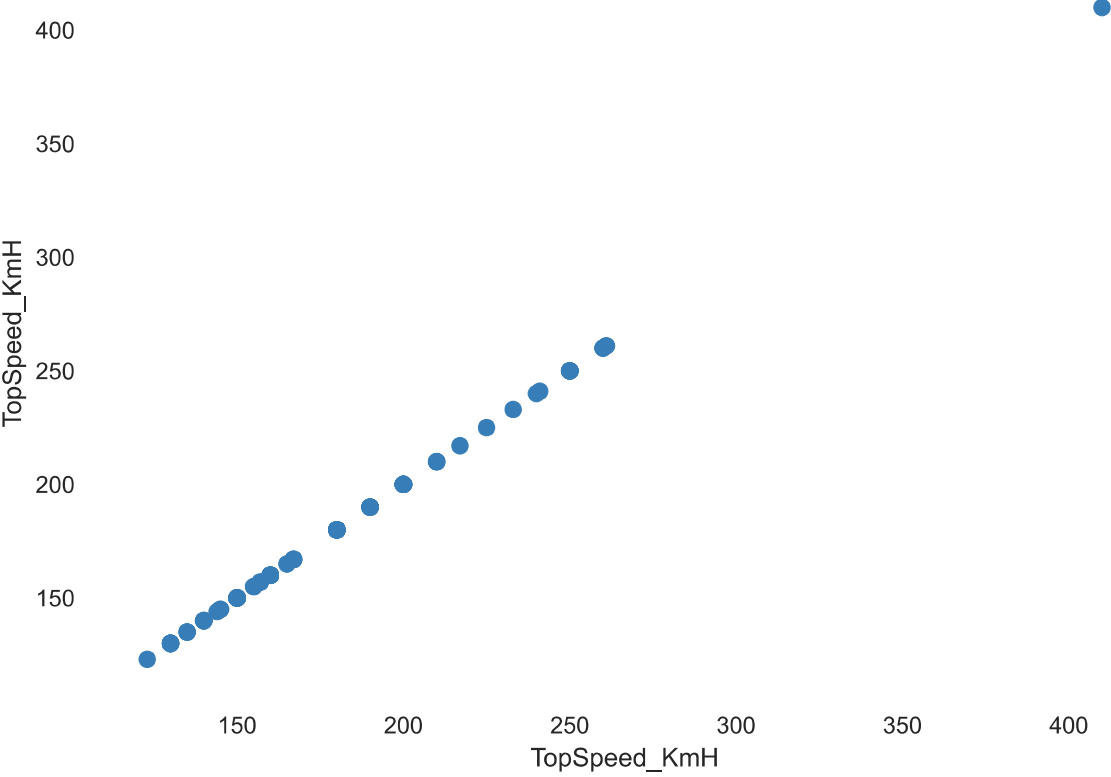




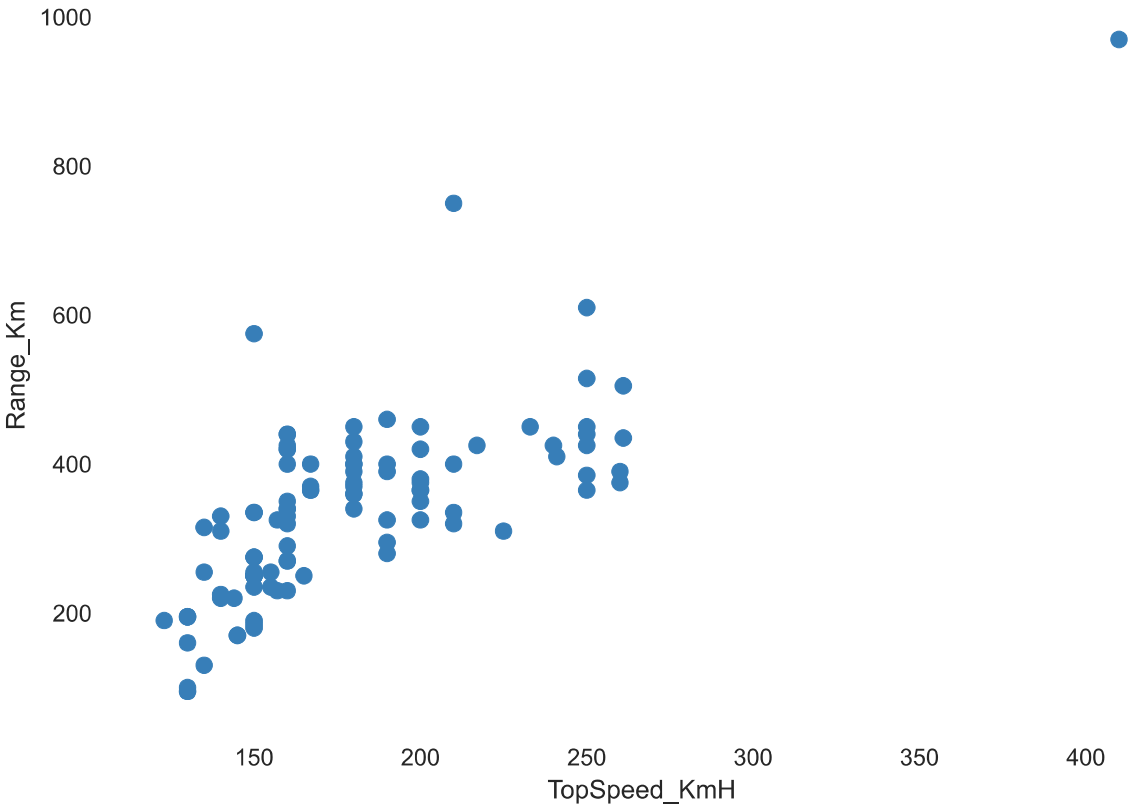


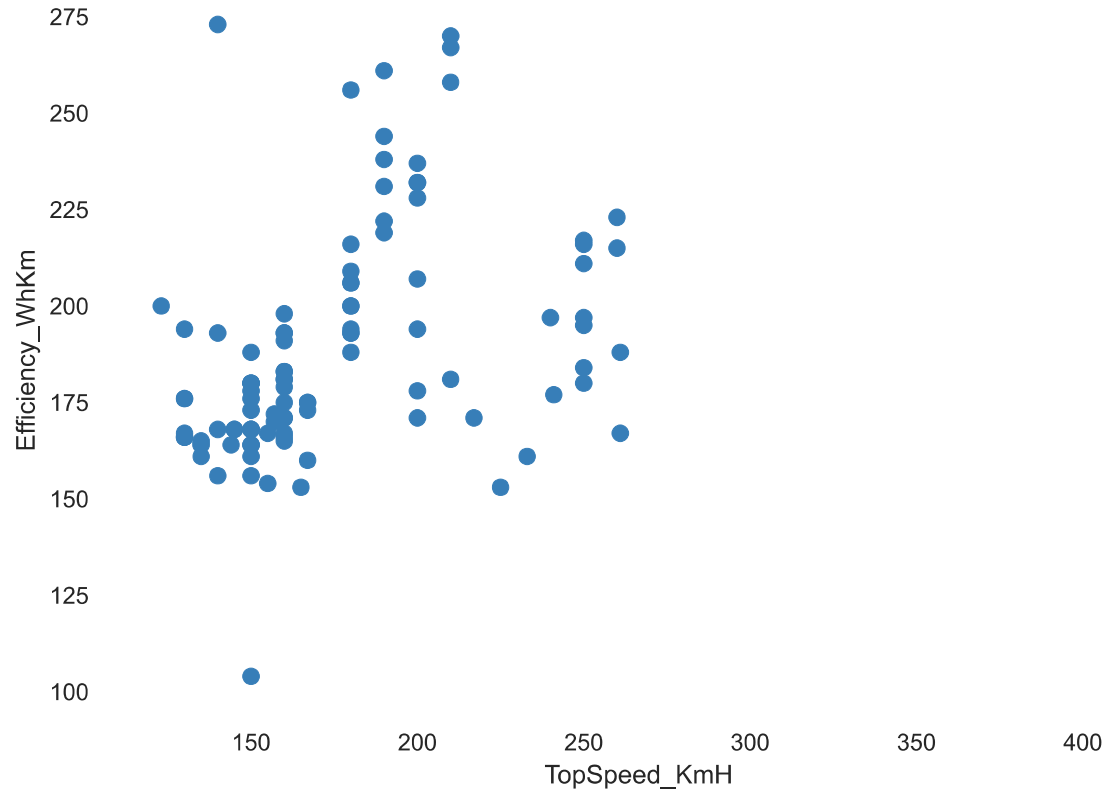


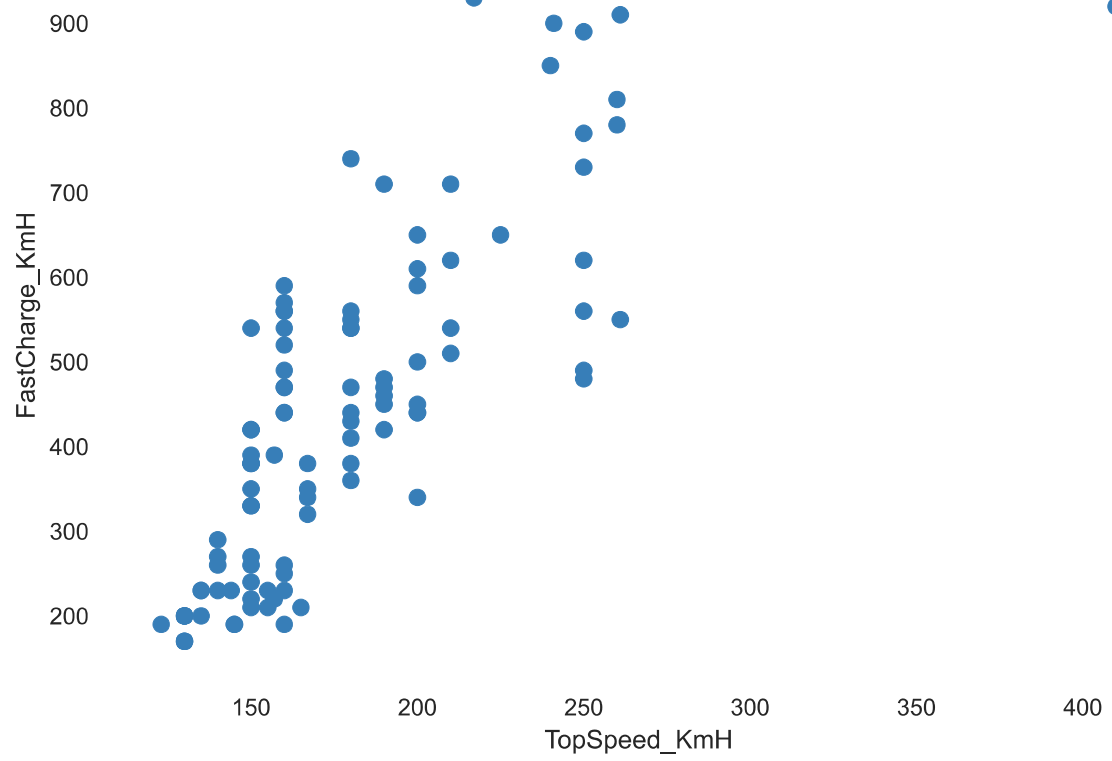




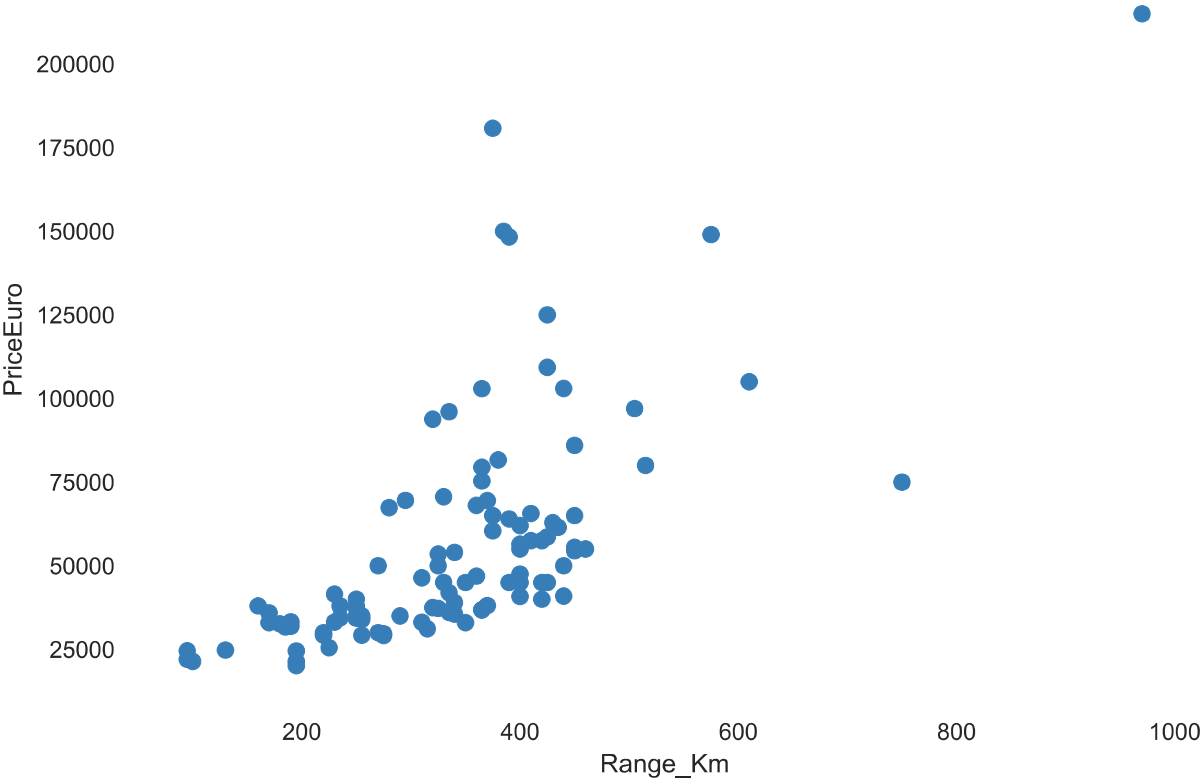


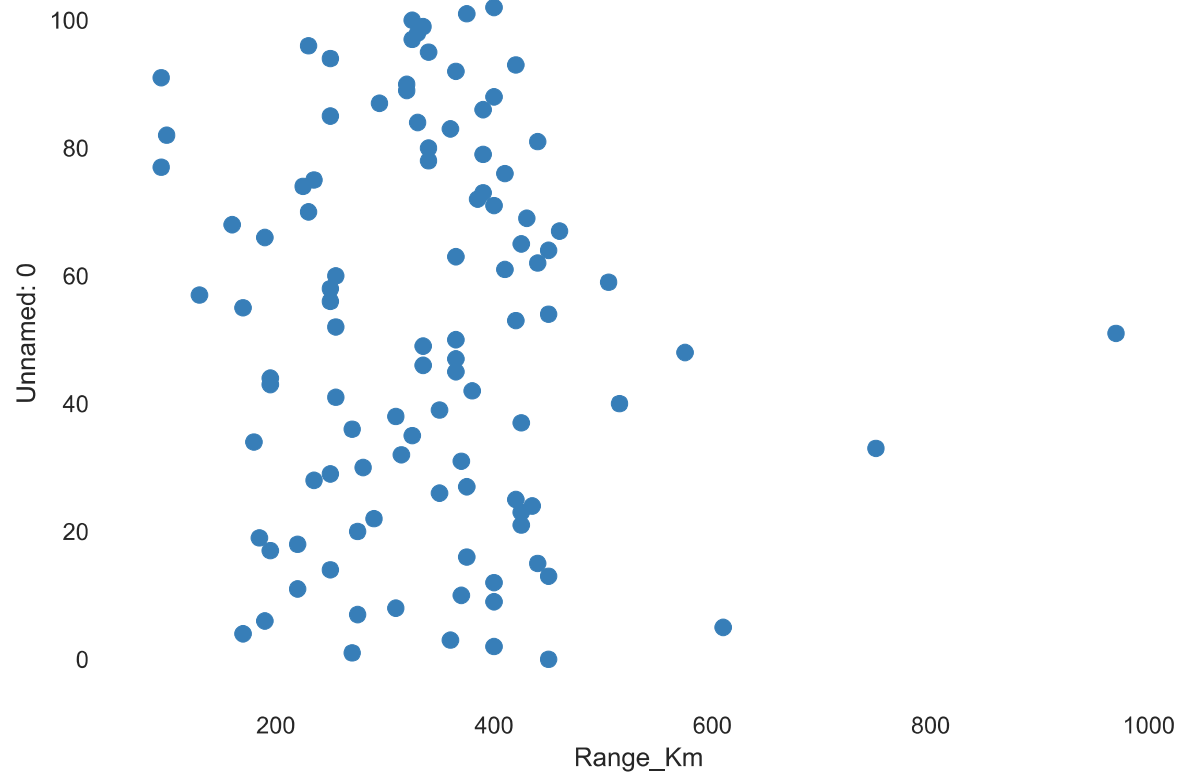


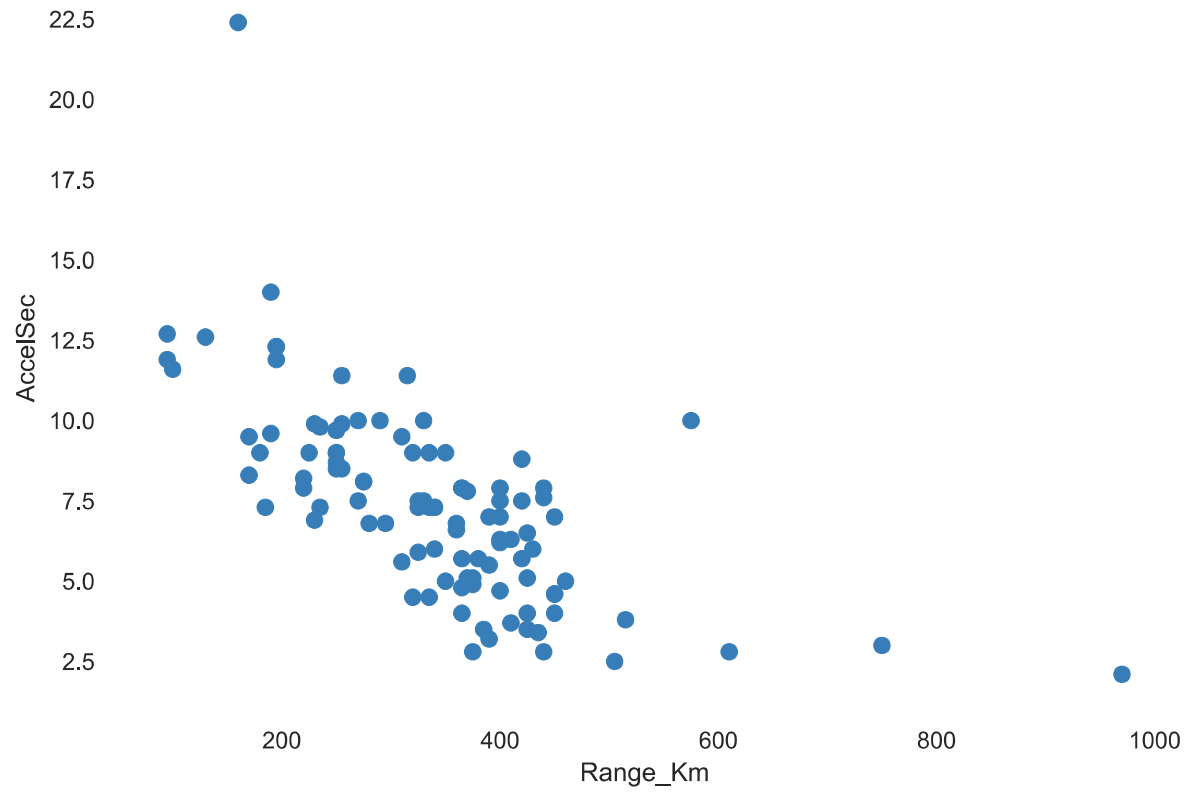


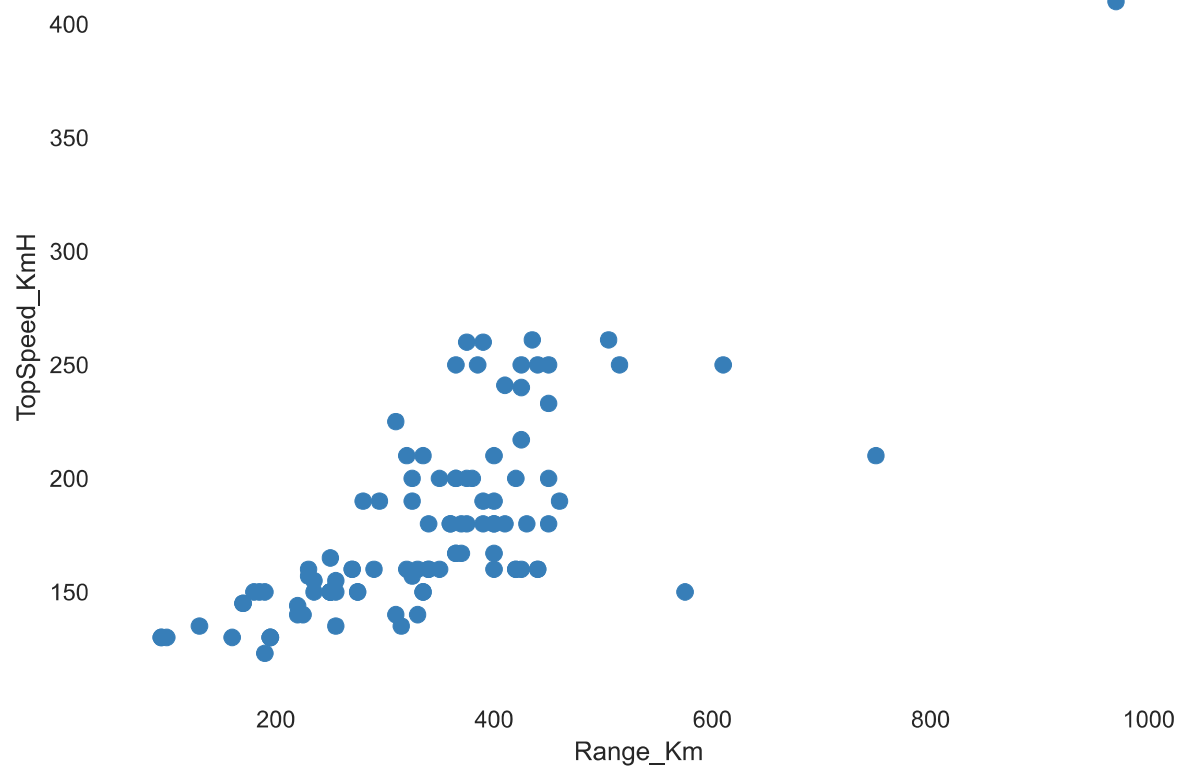




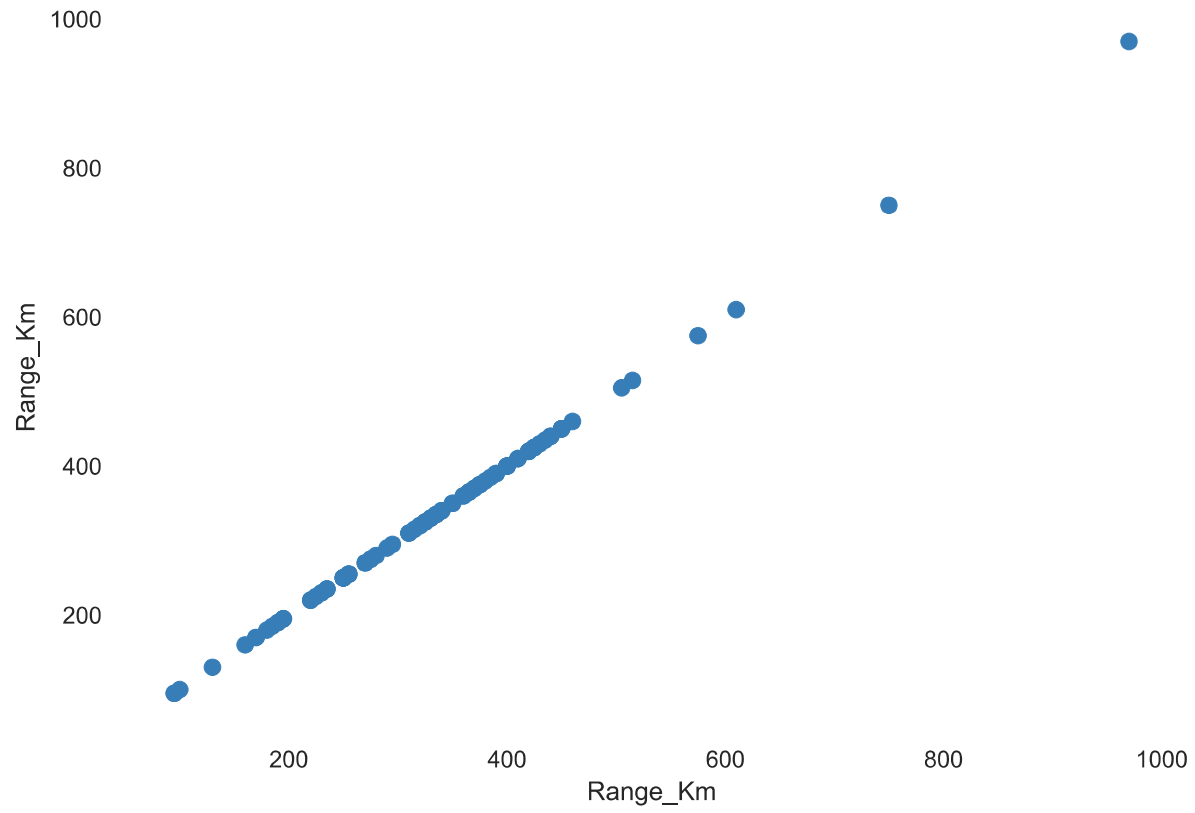


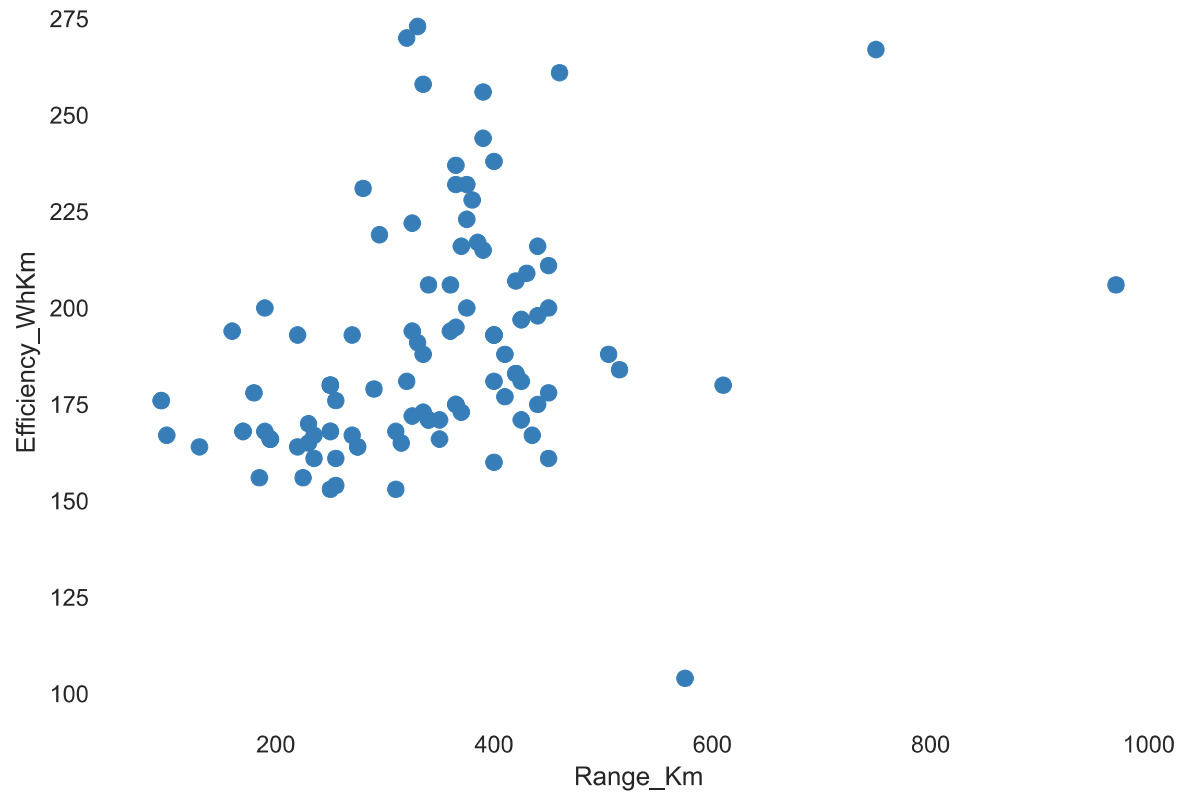


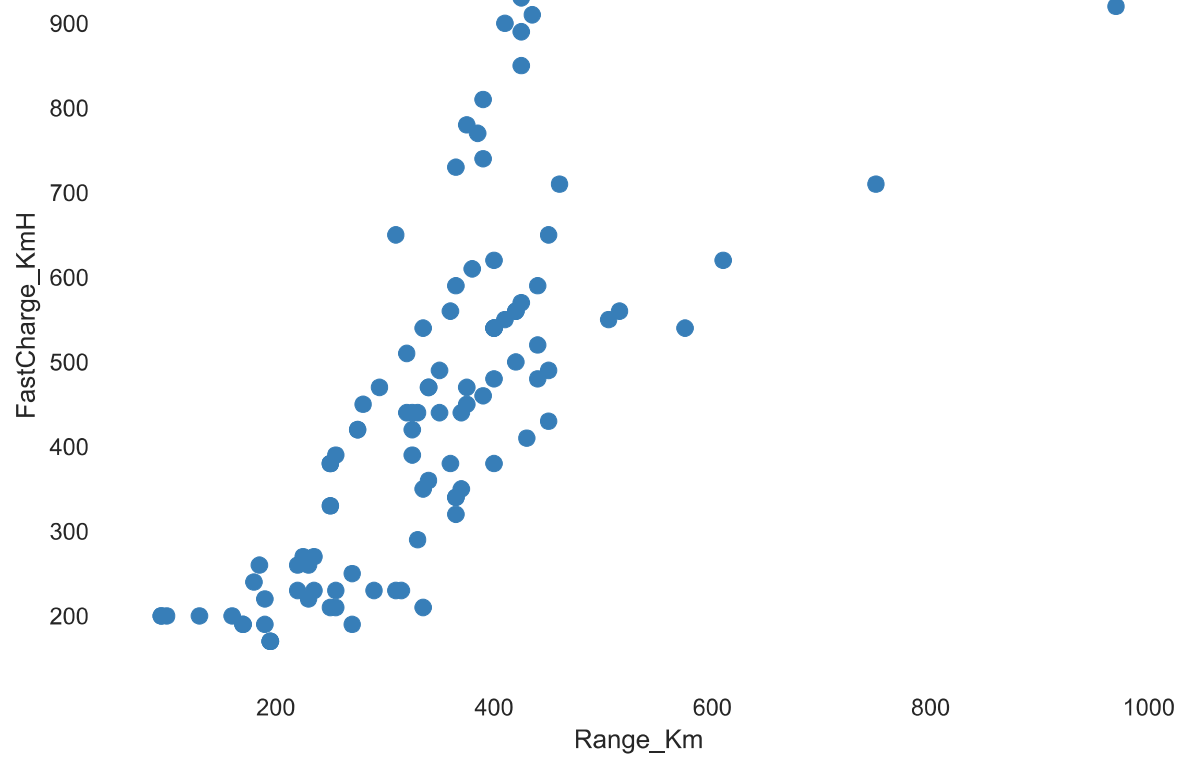




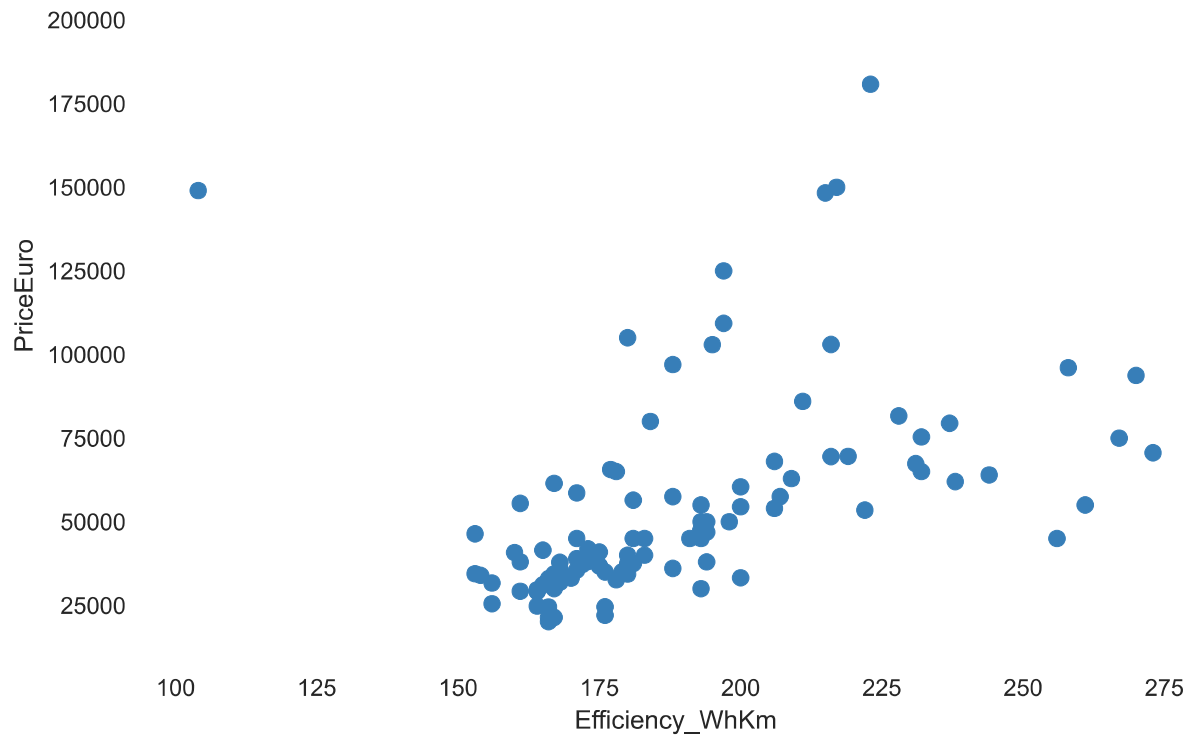


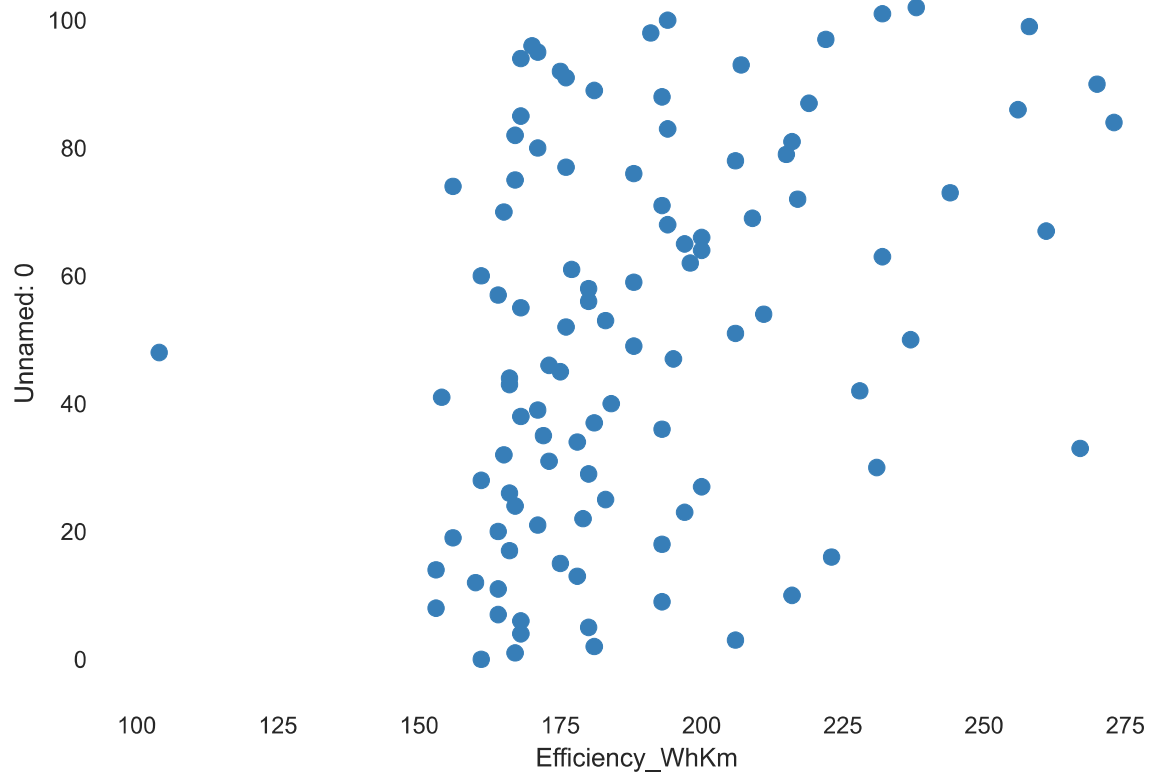


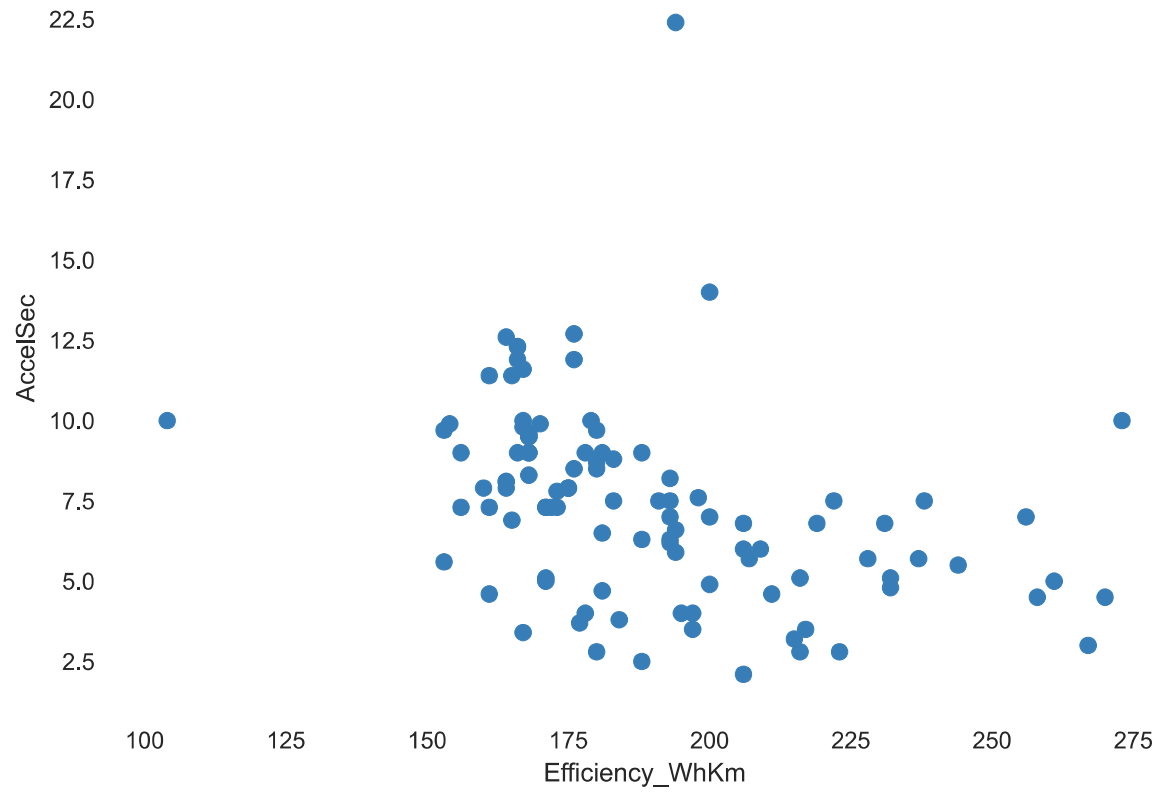


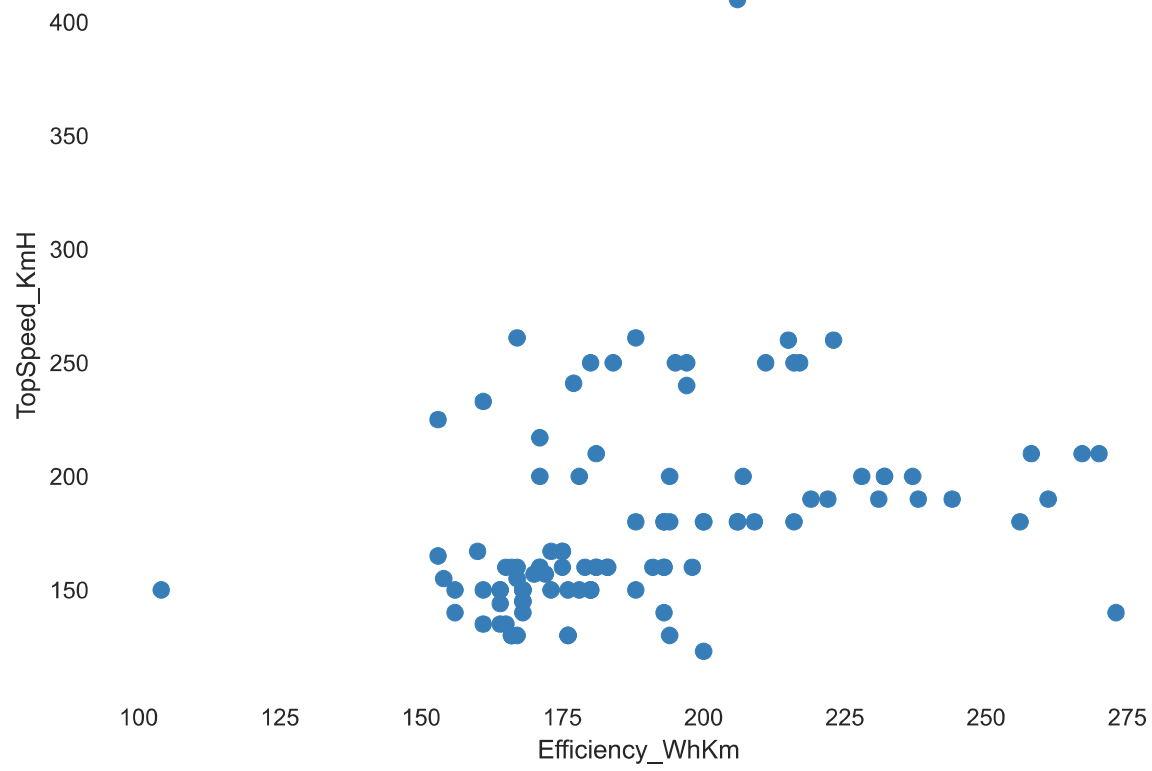




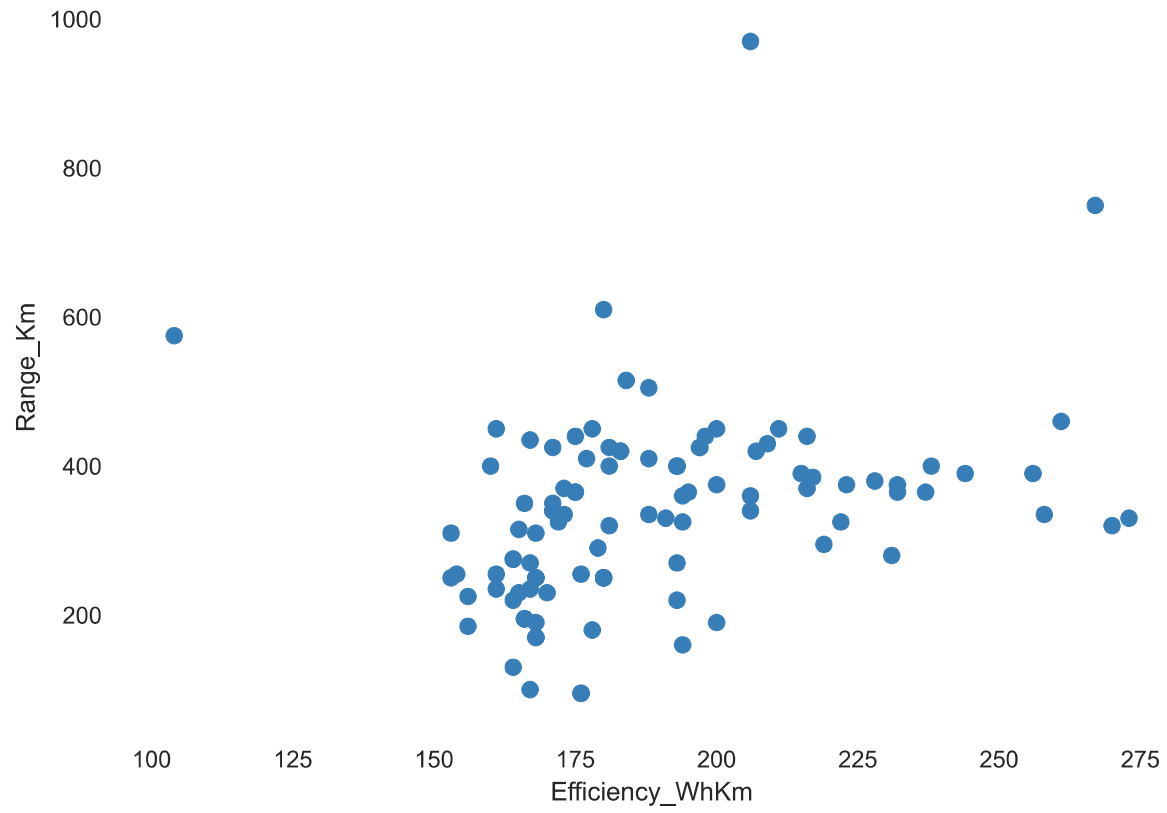


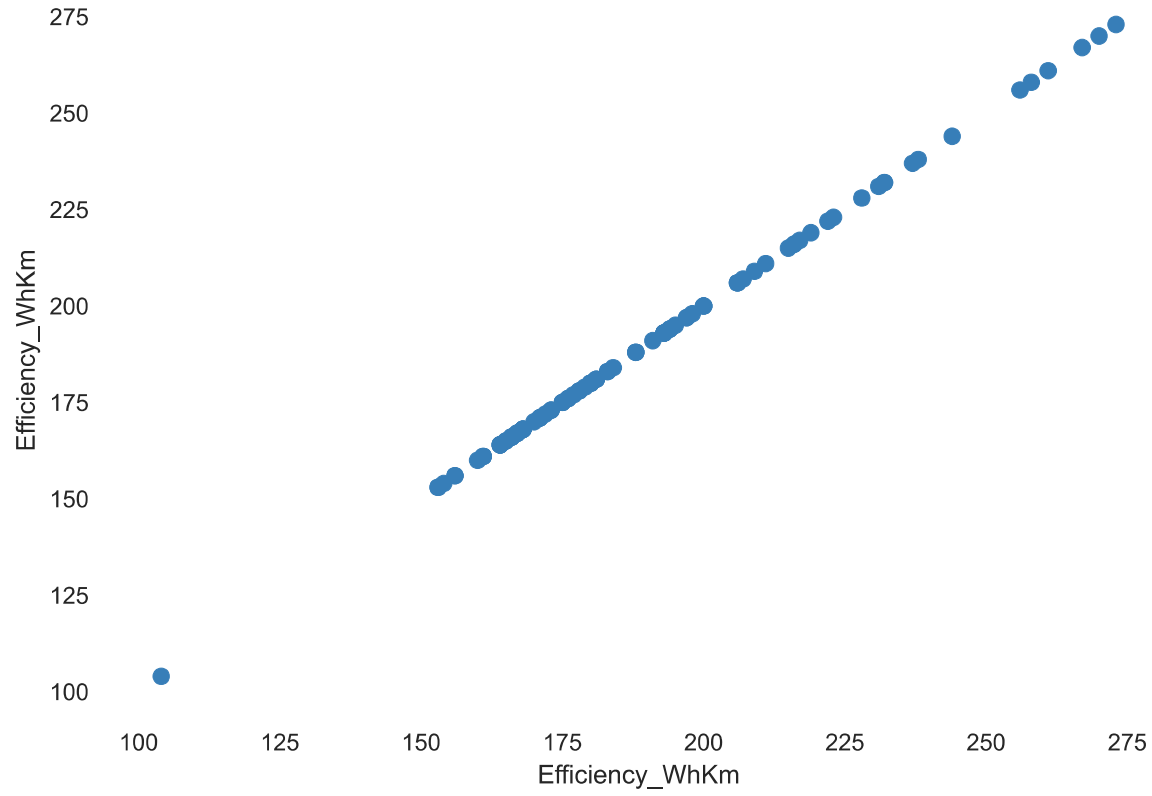


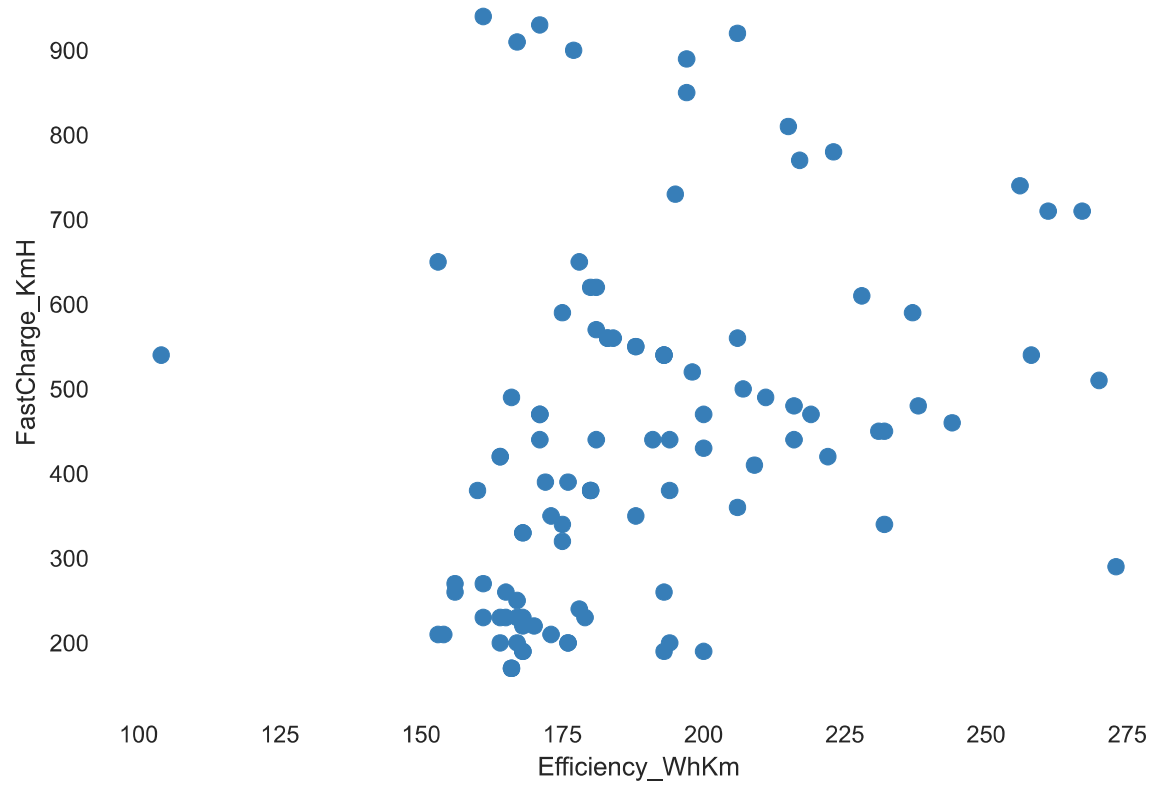




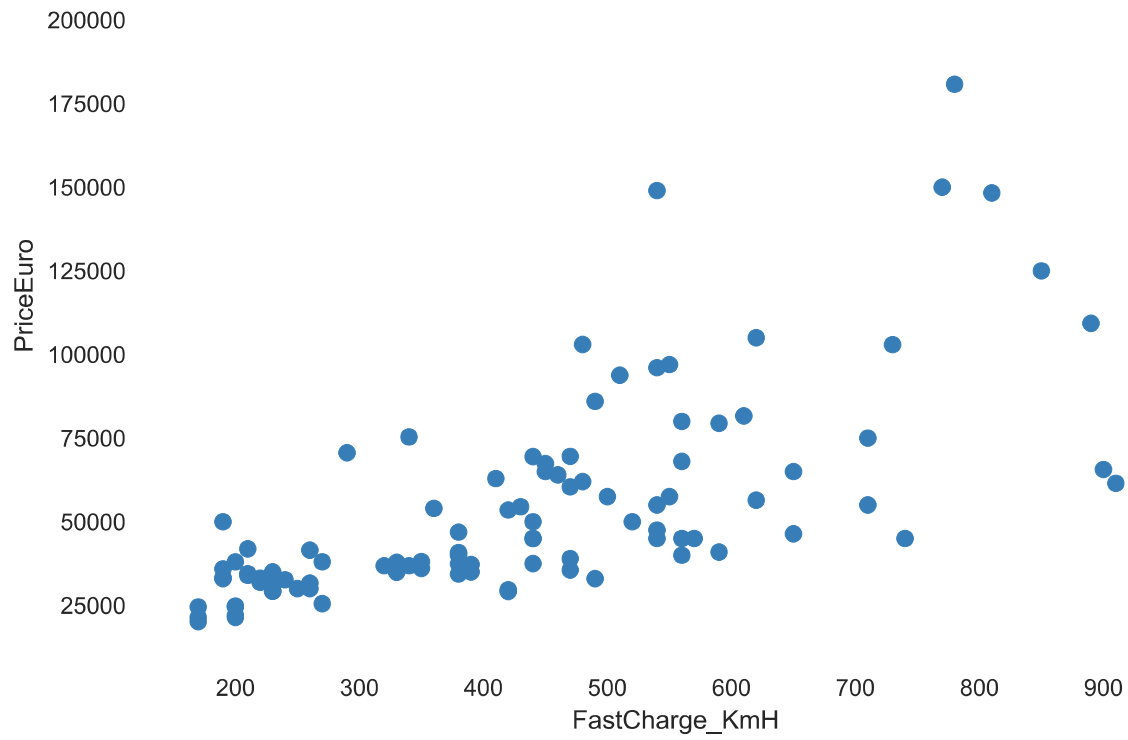


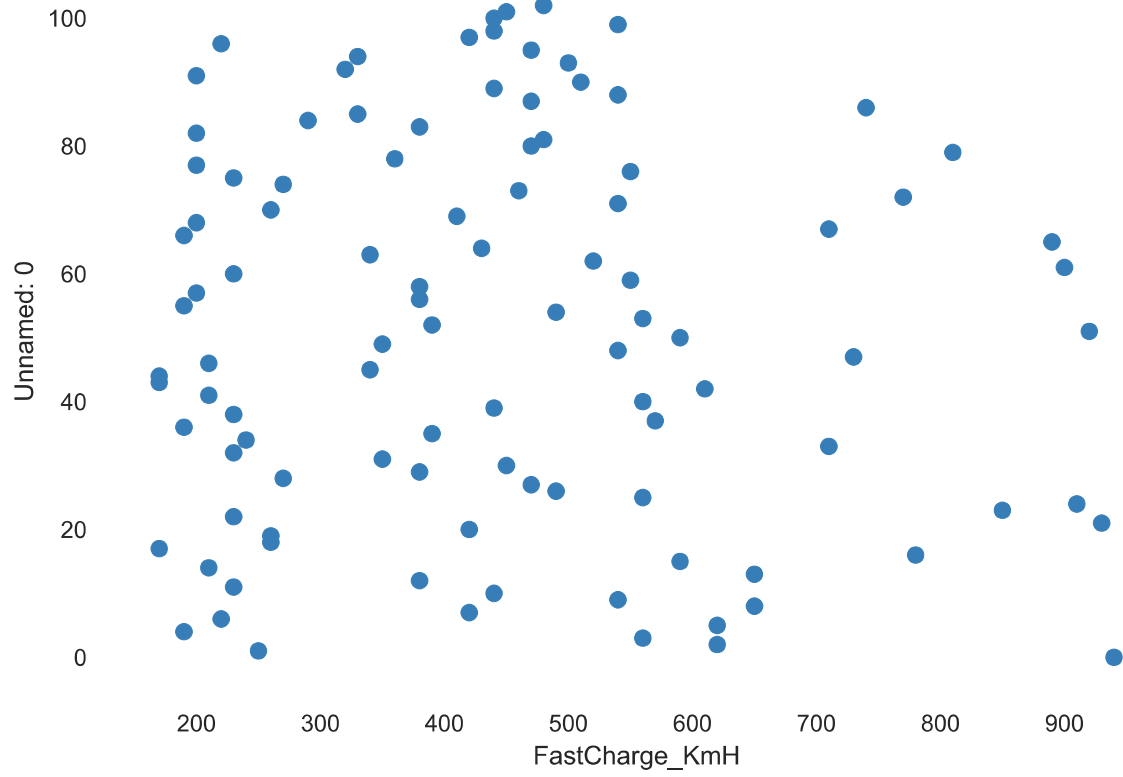


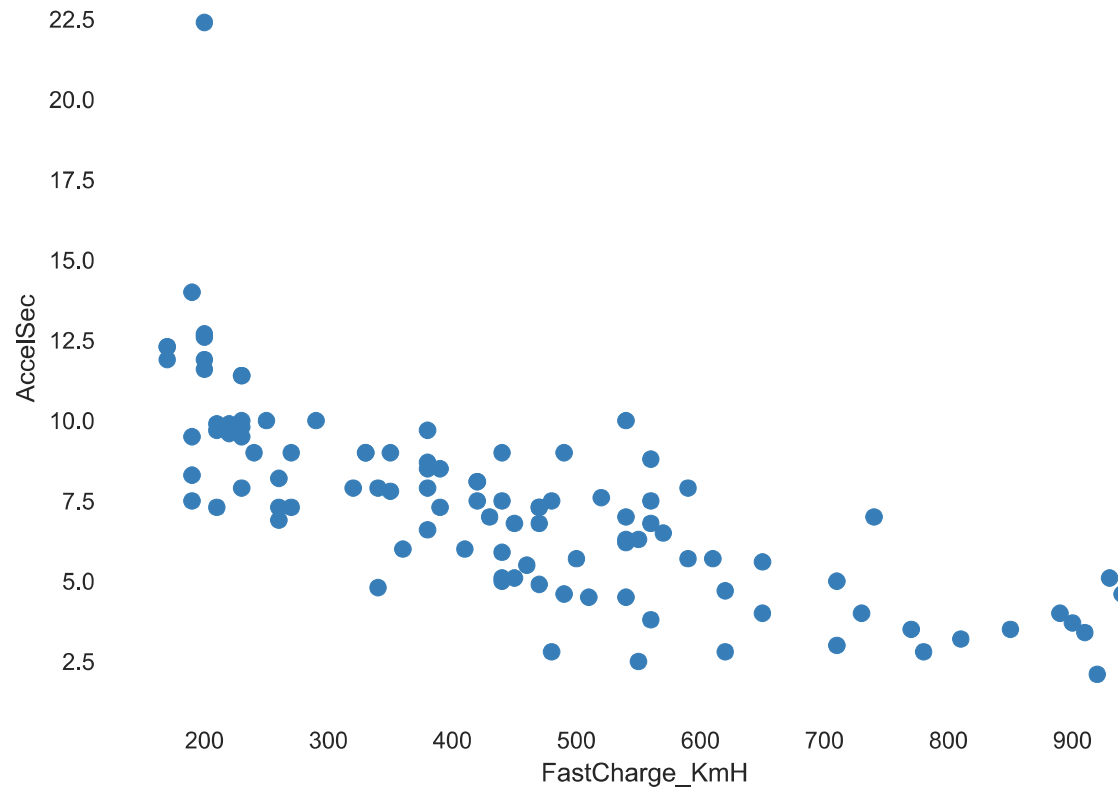


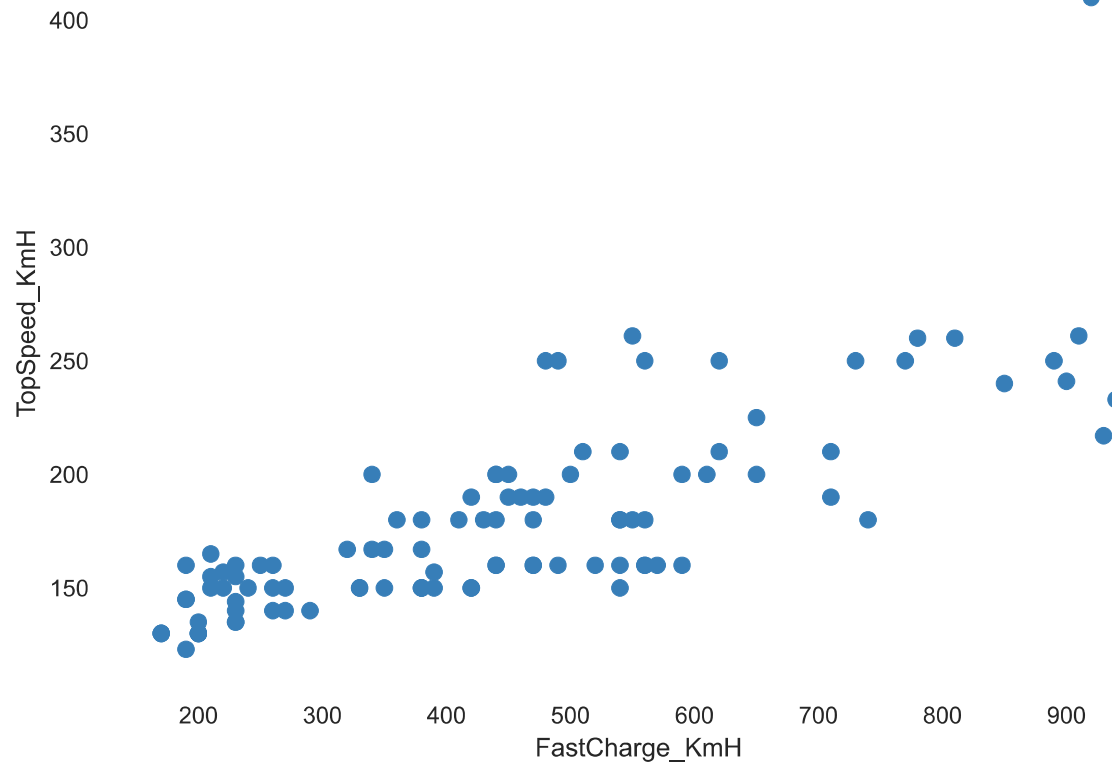




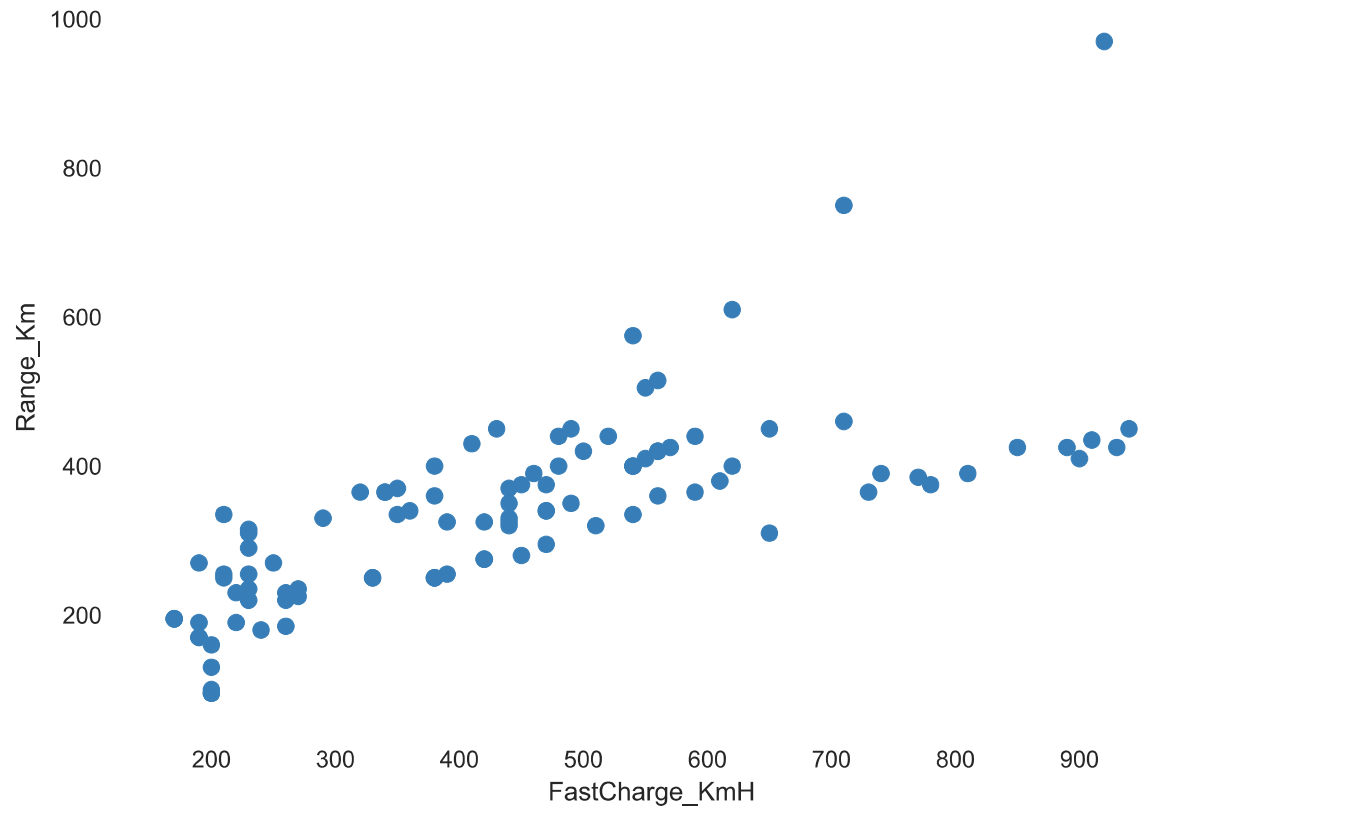


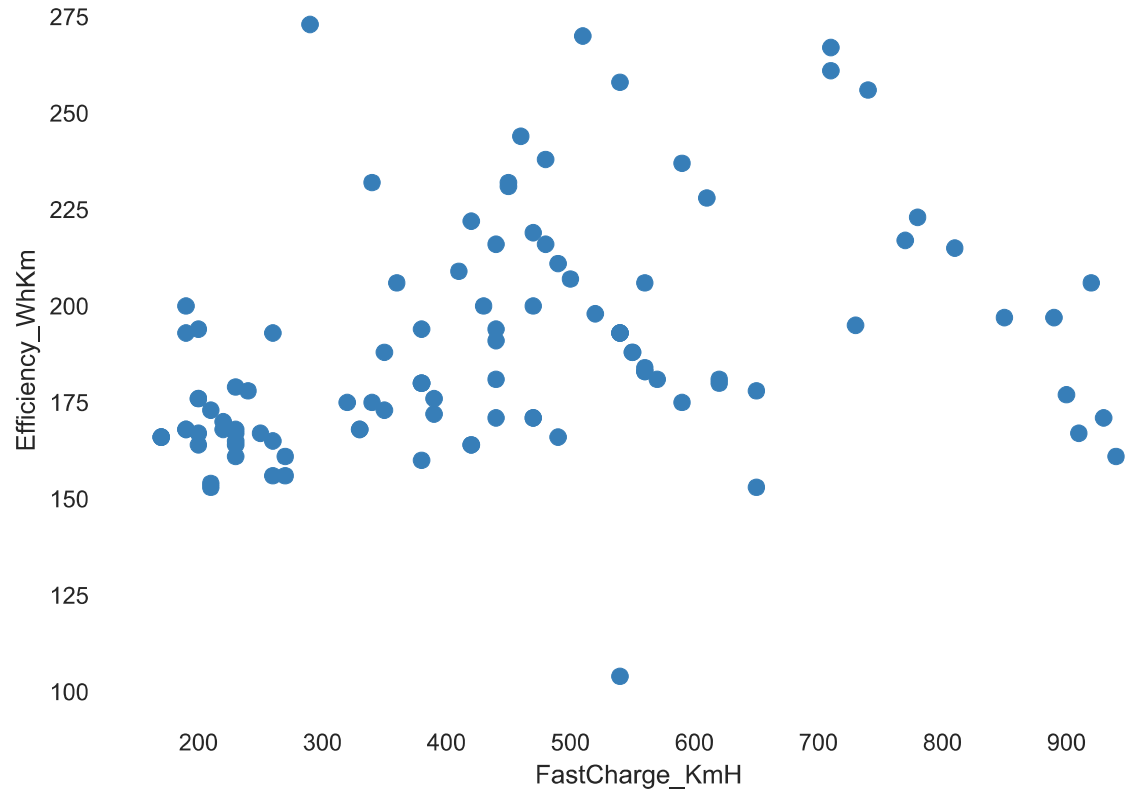


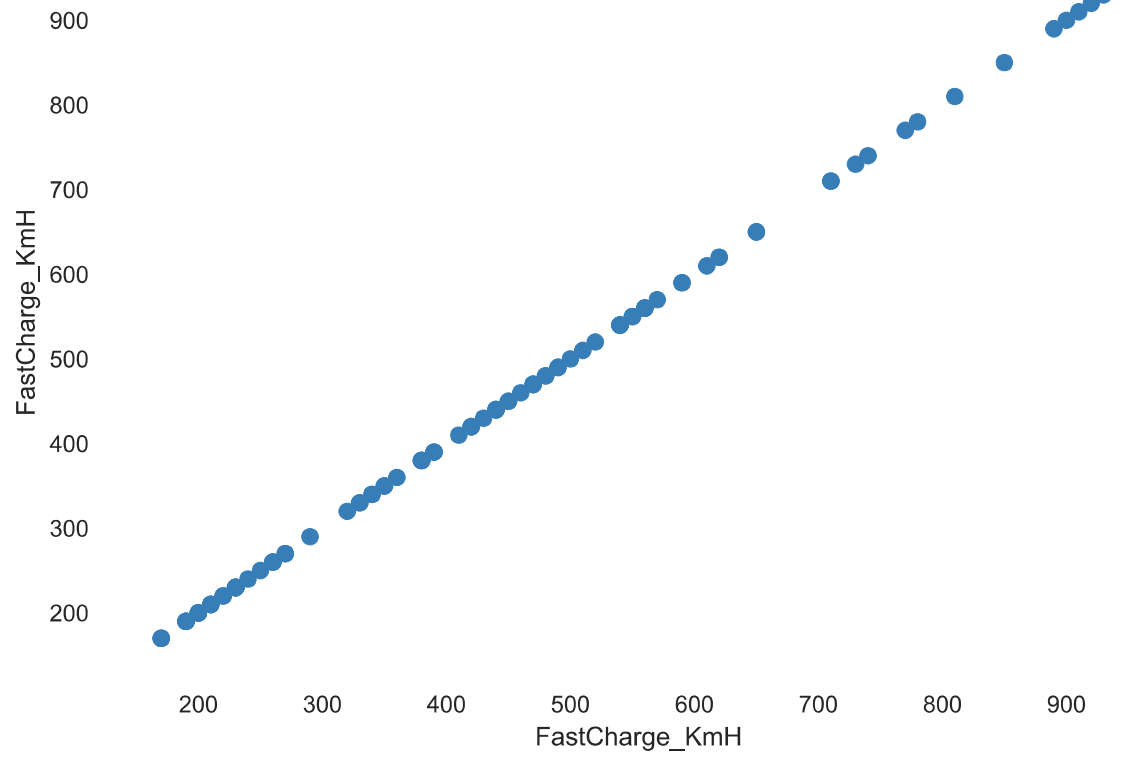




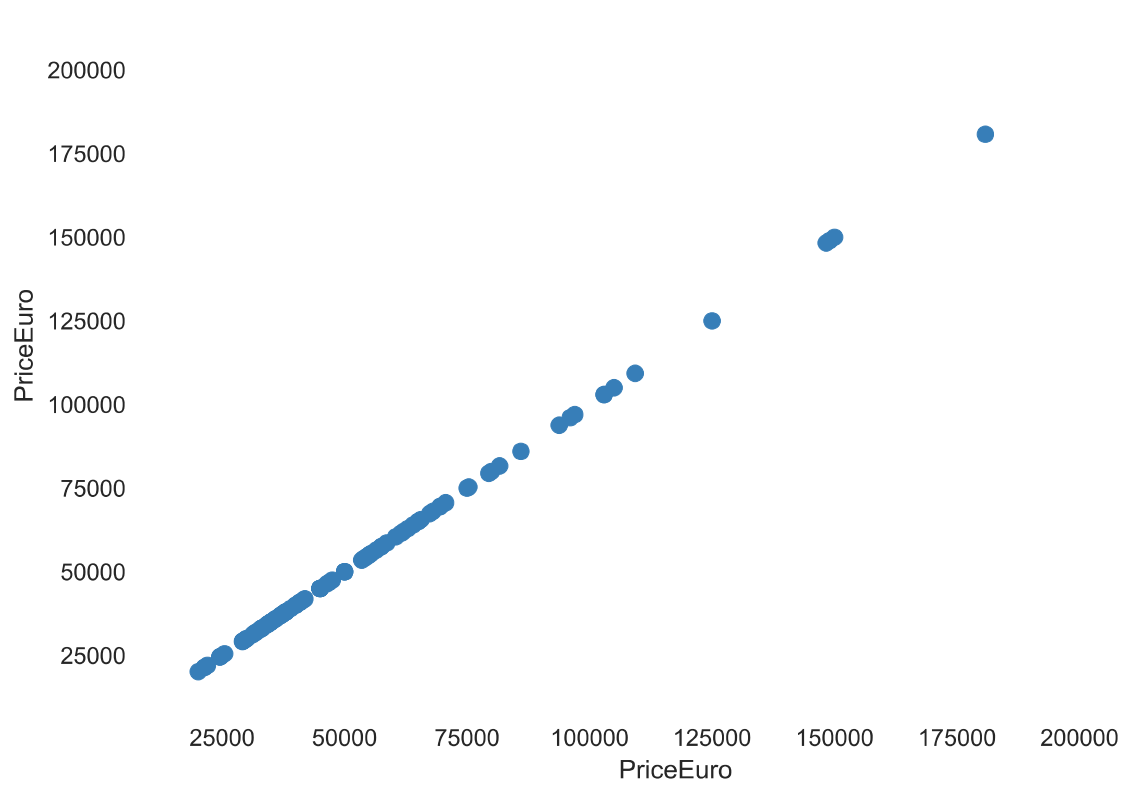


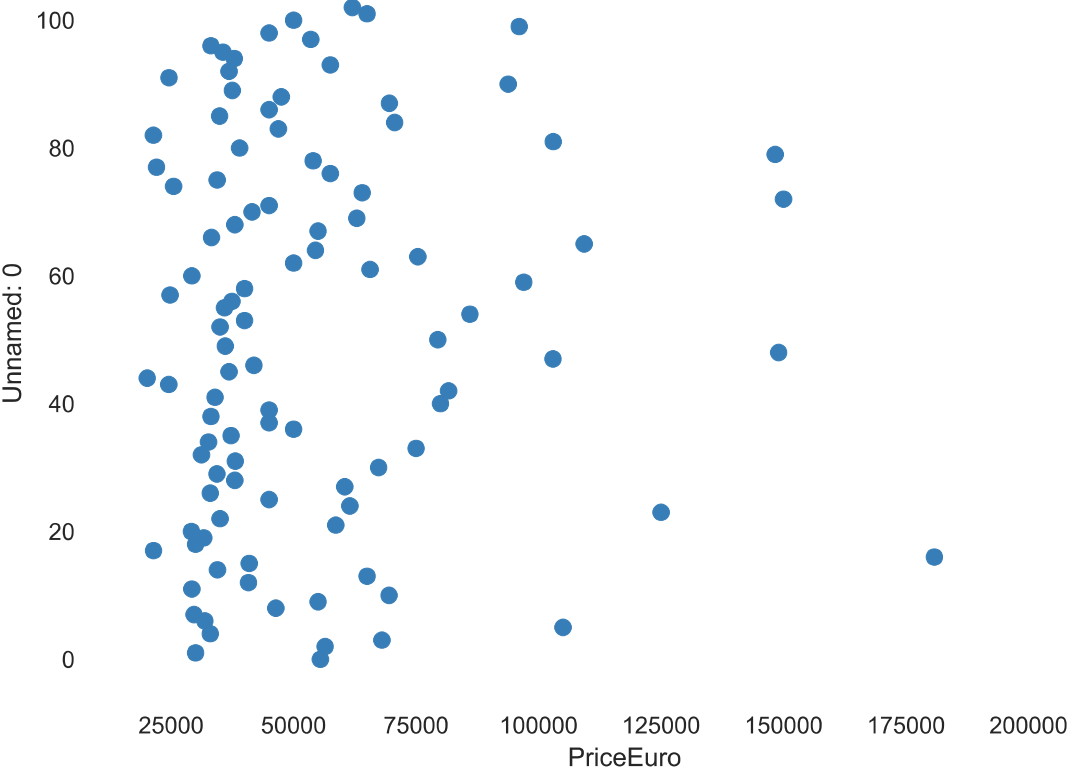


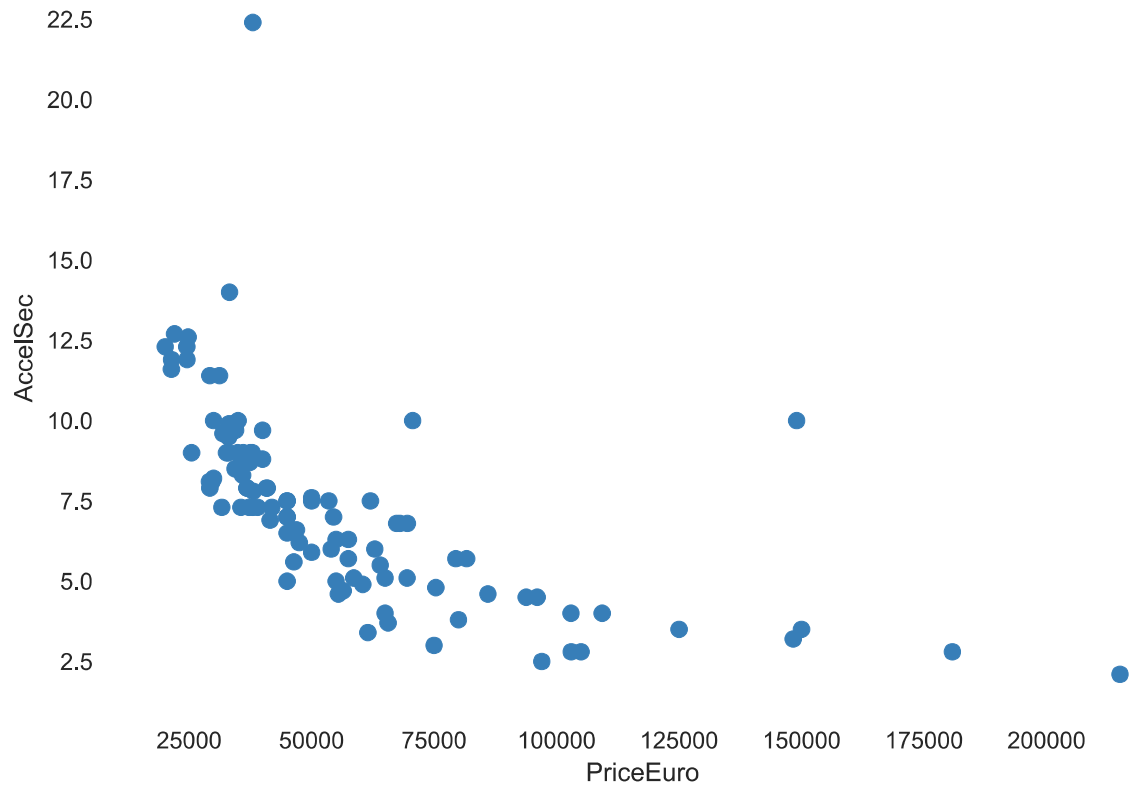


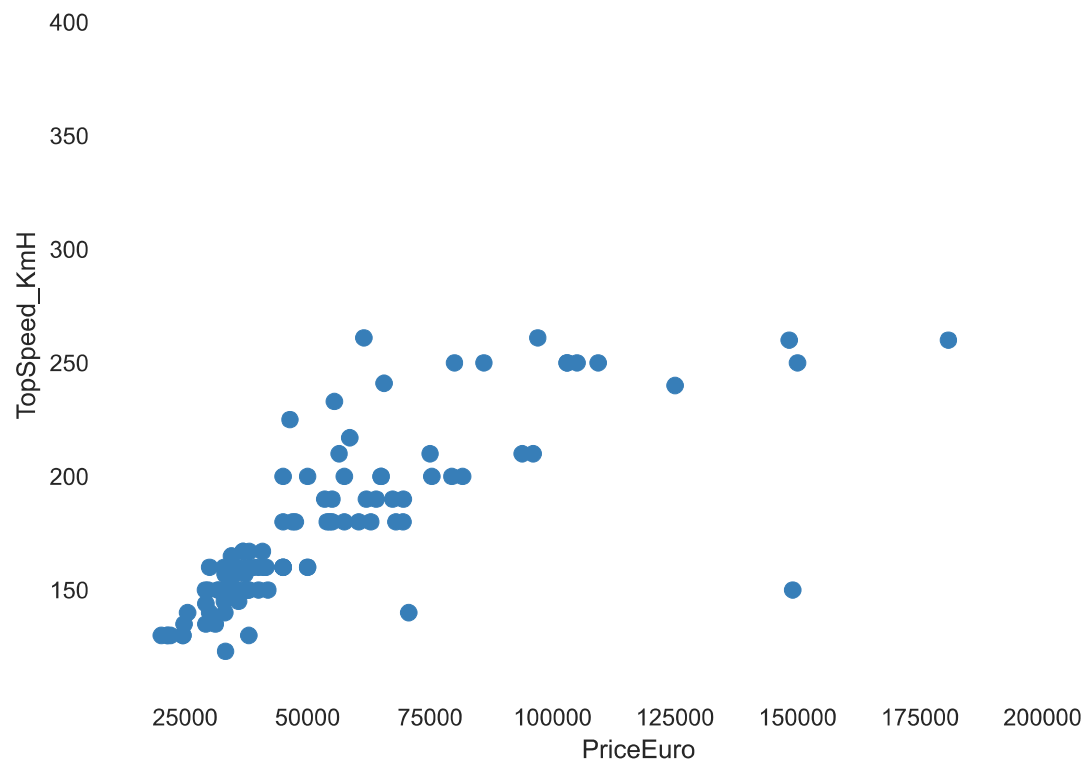




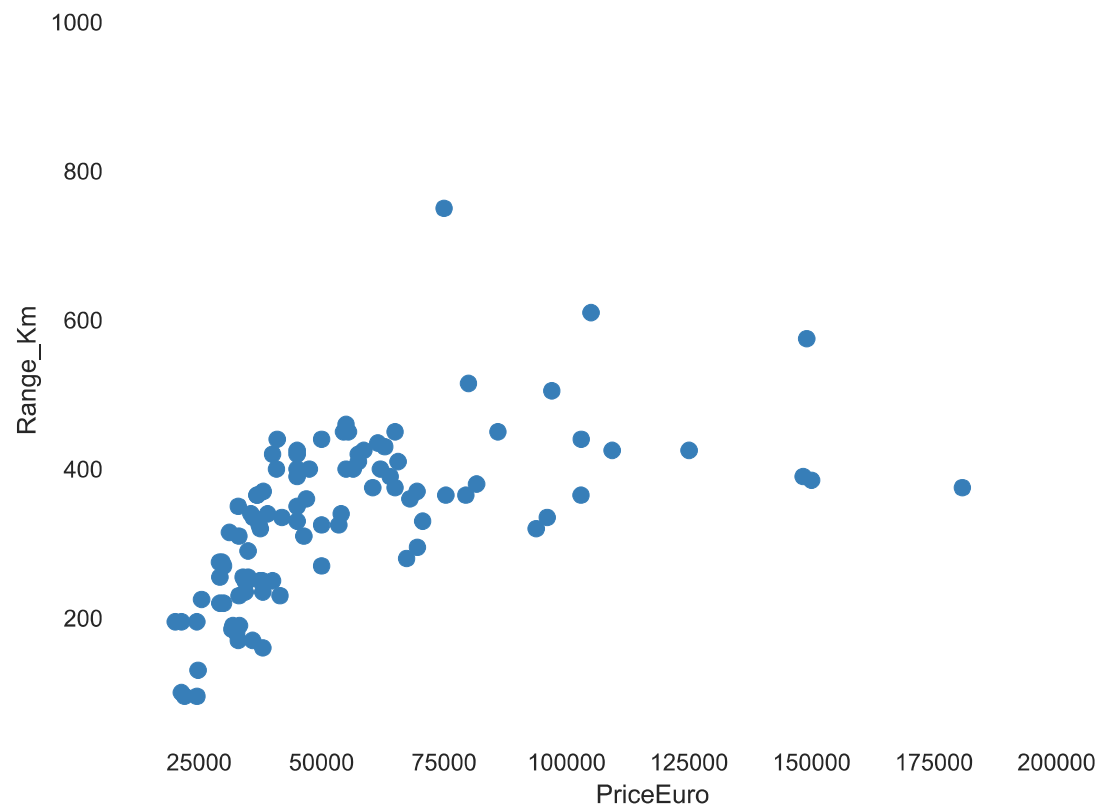


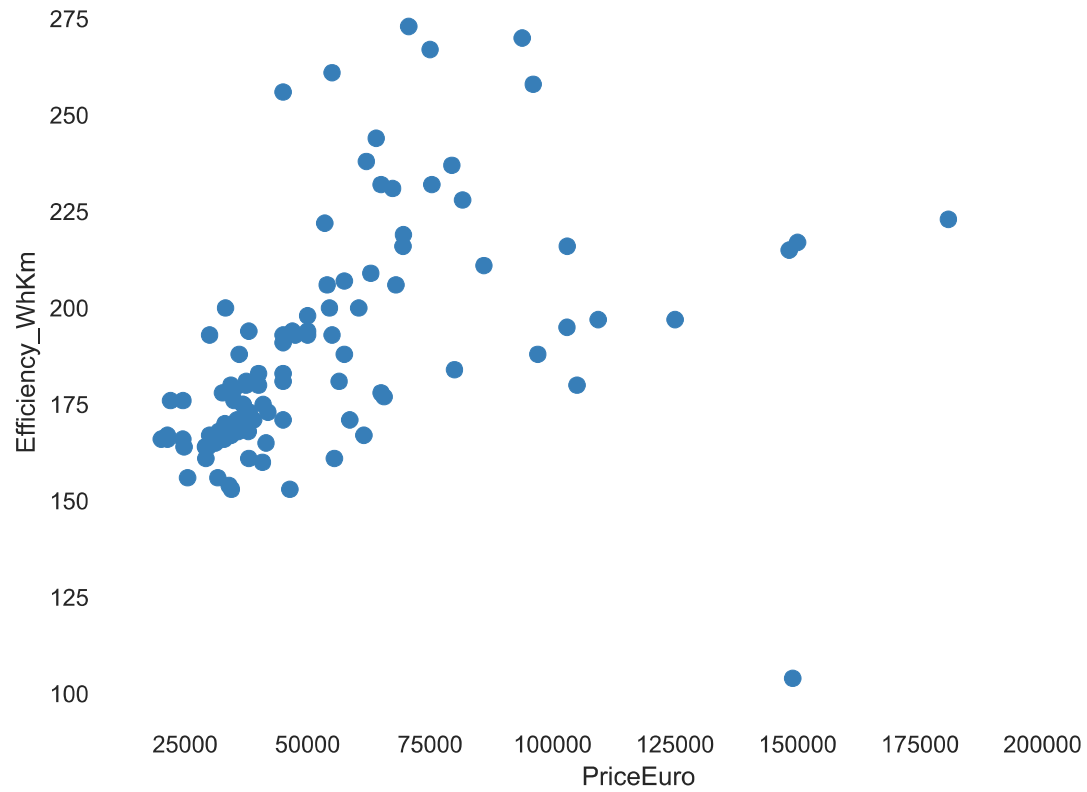


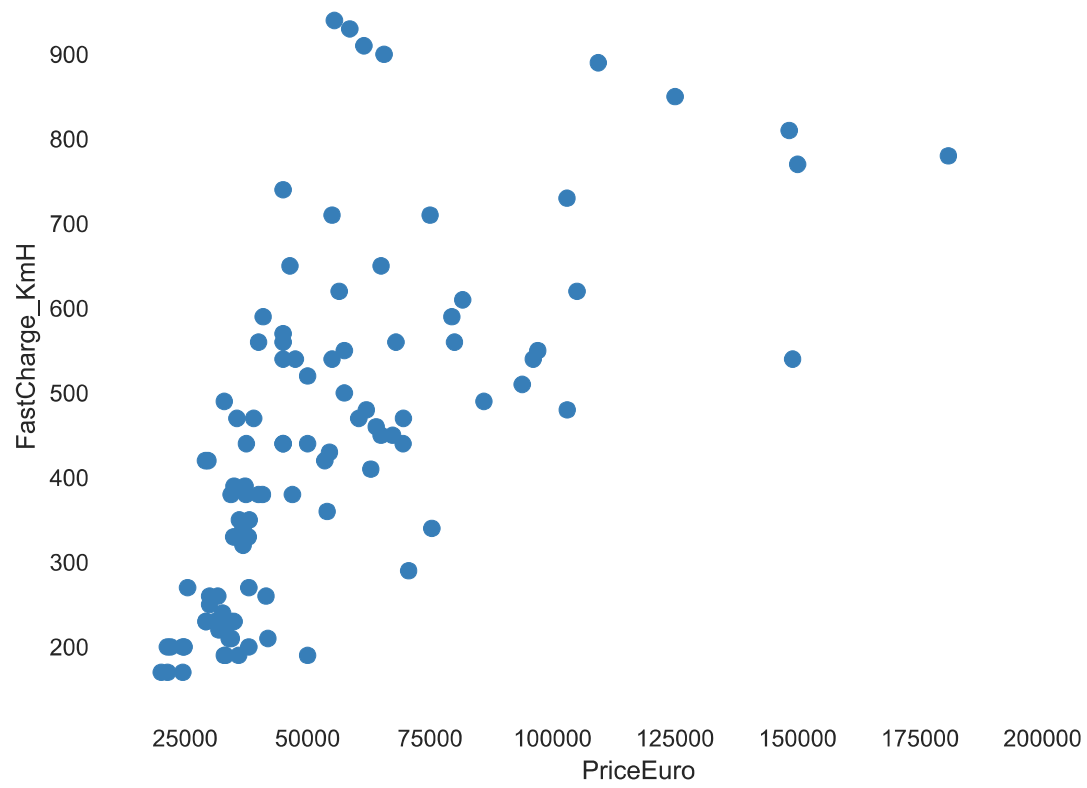






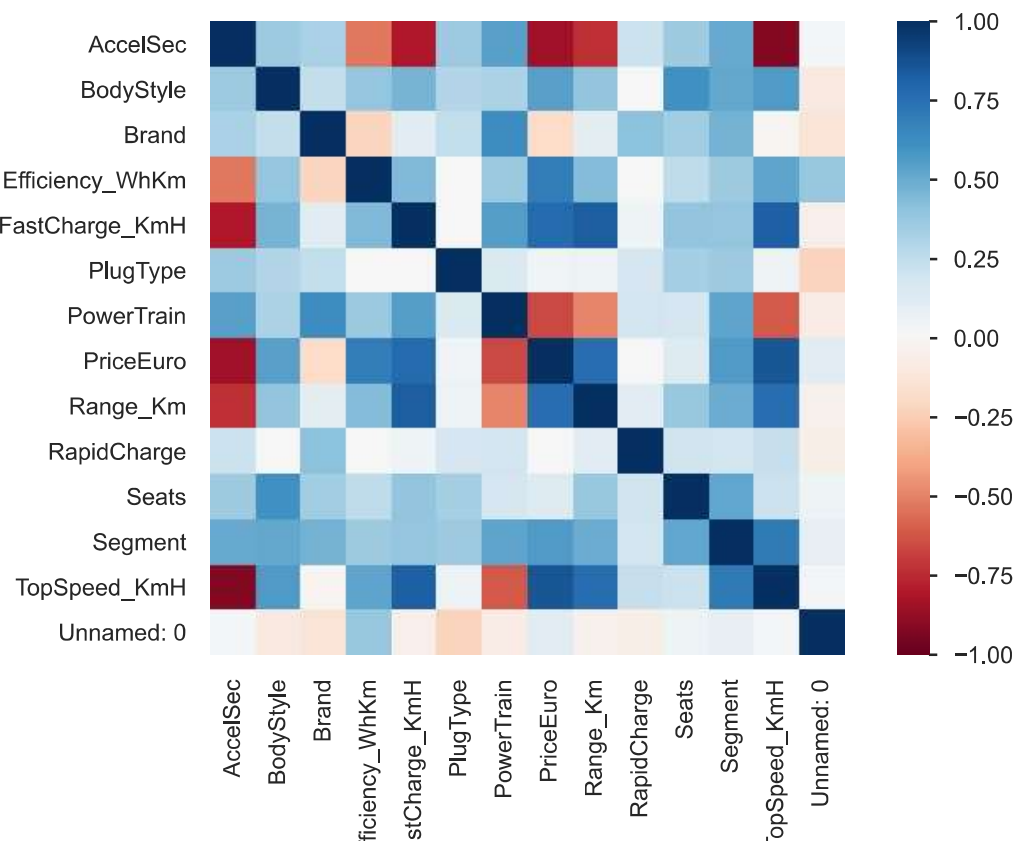








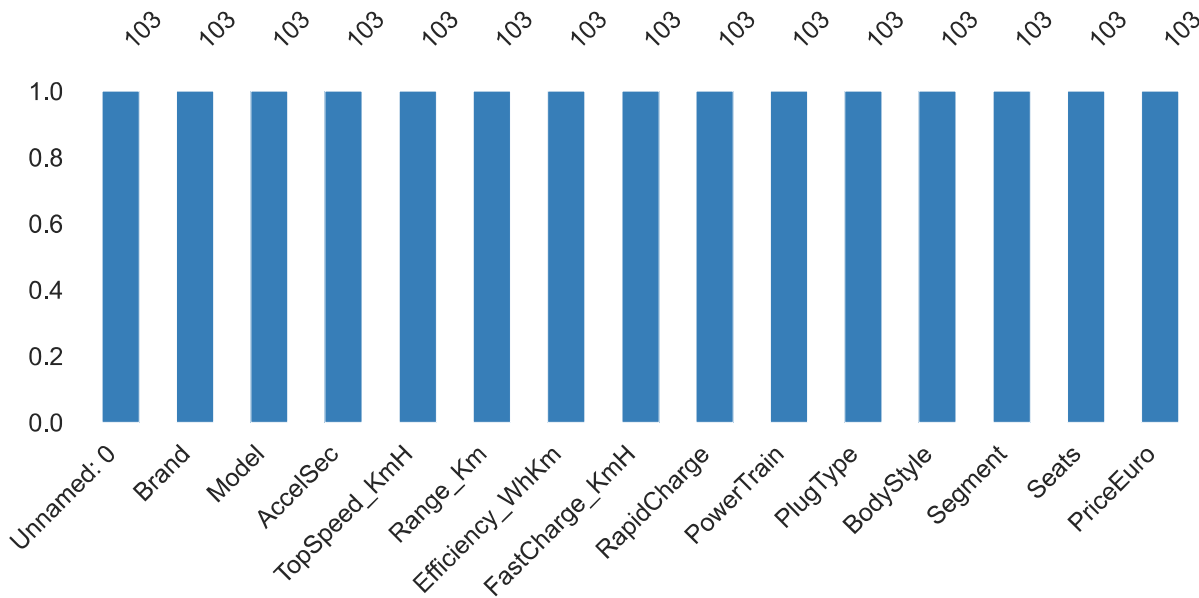
# Correlations



	AccelSec	BodyStyle	Brand	Efficiency_WhKm	FastCharge_KmH	PlugType	PowerTrain	PriceEuro	Range_Km	F
AccelSec	1.000	0.361	0.322	-0.525	-0.803	0.363	0.547	-0.838	-0.729	C
BodyStyle	0.361	1.000	0.241	0.384	0.463	0.290	0.316	0.546	0.392	C
Brand	0.322	0.241	1.000	-0.215	0.109	0.247	0.621	-0.183	0.101	C
Efficiency_WhKm	-0.525	0.384	-0.215	1.000	0.440	0.000	0.368	0.688	0.434	C
FastCharge_KmH	-0.803	0.463	0.109	0.440	1.000	0.000	0.550	0.770	0.827	C
PlugType	0.363	0.290	0.247	0.000	0.000	1.000	0.145	0.027	0.052	C
PowerTrain	0.547	0.316	0.621	0.368	0.550	0.145	1.000	-0.660	-0.491	C
PriceEuro	-0.838	0.546	-0.183	0.688	0.770	0.027	-0.660	1.000	0.761	C
Range_Km	-0.729	0.392	0.101	0.434	0.827	0.052	-0.491	0.761	1.000	C

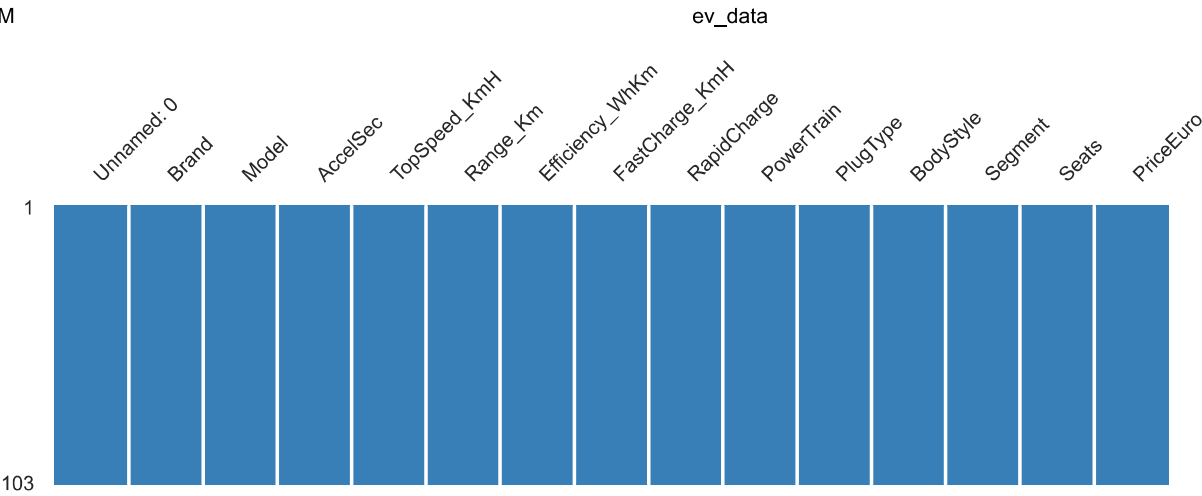


# Missing values



A simple visualization of nullity by column.





Nullity matrix is a data-dense display which lets you quickly visually pick out patterns in data completion.

Sample

Unnamed: 0		Brand	Model	AccelSec	TopSpeed_KmH	Range_Km	Efficiency_WhKm	FastCharge_KmH	Rapi
0	0	Tesla	Model 3 Long Range Dual Motor	4.6	233	450	161	940	Yes
1	1	Volkswagen	ID.3 Pure	10.0	160	270	167	250	No
2	2	Polestar	2	4.7	210	400	181	620	Yes
3	3	BMW	iX3	6.8	180	360	206	560	Yes
4	4	Honda	e	9.5	145	170	168	190	Yes
5	5	Lucid	Air	2.8	250	610	180	620	Yes
6	6	Volkswagen	e-Golf	9.6	150	190	168	220	No
7	7	Peugeot	e-208	8.1	150	275	164	420	No
8	8	Tesla	Model 3 Standard Range Plus	5.6	225	310	153	650	Yes
9	9	Audi	Q4 e-tron	6.3	180	400	193	540	Yes

Unnamed: 0		Brand	Model	AccelSec	TopSpeed_KmH	Range_Km	Efficiency_WhKm	FastCharge_KmH
93	93	Nissan	Ariya e-4ORCE 87kWh	5.7	200	420	207	500
94	94	Fiat	500e Convertible	9.0	150	250	168	330
95	95	Volkswagen	ID.3 Pro Performance	7.3	160	340	171	470
96	96	Kia	e-Soul 39 kWh	9.9	157	230	170	220
97	97	Byton	M-Byte 72 kWh 2WD	7.5	190	325	222	420
98	98	Nissan	Ariya 63kWh	7.5	160	330	191	440
99	99	Audi	e-tron S Sportback 55 quattro	4.5	210	335	258	540
100	100	Nissan	Ariya e-4ORCE 63kWh	5.9	200	325	194	440
101	101	Nissan	Ariya e-4ORCE 87kWh Performance	5.1	200	375	232	450
102	102	Byton	M-Byte 95 kWh 2WD	7.5	190	400	238	480



Report generated by YData ([https://ydata.ai/?utm\\_source=opensource&utm\\_medium=pandasprofiling&utm\\_campaign=report](https://ydata.ai/?utm_source=opensource&utm_medium=pandasprofiling&utm_campaign=report)).