clean_ElectricCarData

Brand	Model	AccelSec_Mi	TopSpeed_Mi	Range_Mi	Efficiency_Mi	FastCharge_Mi	RapidCharge	PowerTrain	BodyStyle	Seats	PriceDollar
Aiways	U5	8.69 sec	93 mi/hr	208 mi	301 Wh/mi	338 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	32,779
Audi	e-tron GT	3.38 sec	149 mi/hr	264 mi	315 Wh/mi	821 mi/hr	Rapid charging possible	All Wheel Drive	Sedan	4	113,636
Audi	e-tron S Sportback 55 quattro	4.35 sec	130 mi/hr	208 mi	413 Wh/mi	521 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	87,318
Audi	e-tron S 55 quattro	4.35 sec	130 mi/hr	198 mi	432 Wh/mi	492 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	85,273
Audi	e-tron Sportback 55 quattro	5.50 sec	124 mi/hr	236 mi	365 Wh/mi	589 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	74,217
Audi	e-tron 55 quattro	5.50 sec	124 mi/hr	226 mi	379 Wh/mi	570 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	72,223
Audi	e-tron Sportback 50 quattro	6.57 sec	118 mi/hr	183 mi	350 Wh/mi	454 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	63,228
Audi	e-tron 50 quattro	6.57 sec	118 mi/hr	174 mi	370 Wh/mi	435 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	61,235
Audi	Q4 Sportback e-tron	6.08 sec	112 mi/hr	254 mi	301 Wh/mi	531 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	52,273
Audi	Q4 e-tron	6.08 sec	112 mi/hr	248 mi	309 Wh/mi	521 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	50,000
BMW	iX3	6.57 sec	112 mi/hr	223 mi	330 Wh/mi	541 mi/hr	Rapid charging possible	Rear Wheel Drive	SUV	5	61,855
BMW	i4	3.86 sec	124 mi/hr	279 mi	285 Wh/mi	628 mi/hr	Rapid charging possible	Rear Wheel Drive	Sedan	5	59,091
BMW	i3s 120 Ah	6.66 sec	99 mi/hr	143 mi	264 Wh/mi	251 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	4	37,751
BMW	i3 120 Ah	7.05 sec	93 mi/hr	146 mi	258 Wh/mi	261 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	4	34,561
Byton	M-Byte 95 kWh 4WD	5.31 sec	118 mi/hr	242 mi	390 Wh/mi	444 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	58,182
Byton	M-Byte 95 kWh 2WD	7.24 sec	118 mi/hr	248 mi	381 Wh/mi	463 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	56,364
Byton	M-Byte 72 kWh 2WD	7.24 sec	118 mi/hr	202 mi	355 Wh/mi	406 mi/hr	Rapid charging possible	Rear Wheel Drive	SUV	5	48,636
Citroen	e-C4	9.37 sec	93 mi/hr	155 mi	288 Wh/mi	367 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	36,364
CUPRA	el-Born	6.28 sec	99 mi/hr	264 mi	290 Wh/mi	550 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	4	40,909
DS	3 Crossback E-Tense	8.40 sec	93 mi/hr	155 mi	288 Wh/mi	367 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	34,020
Fiat	500e Convertible	8.69 sec	93 mi/hr	155 mi	269 Wh/mi	319 mi/hr	Rapid charging possible	Front Wheel Drive	Cabrio	4	34,455
Fiat	500e Hatchback	8.69 sec	93 mi/hr	155 mi	269 Wh/mi	319 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	4	31,727
Ford	Mustang Mach-E ER AWD	5.79 sec	112 mi/hr	267 mi	334 Wh/mi	396 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	57,182
Ford	Mustang Mach-E ER RWD	6.76 sec	112 mi/hr	279 mi	320 Wh/mi	415 mi/hr	Rapid charging possible	Rear Wheel Drive	SUV	5	49,523
Ford	Mustang Mach-E SR AWD	5.79 sec	112 mi/hr	211 mi	330 Wh/mi	348 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	49,091
Ford	Mustang Mach-E SR RWD	6.37 sec	112 mi/hr	223 mi	310 Wh/mi	367 mi/hr	Rapid charging possible	Rear Wheel Drive	SUV	5	42,636
Honda	e Advance	8.01 sec	90 mi/hr	105 mi	269 Wh/mi	183 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	4	32,655
Honda	e	9.17 sec	90 mi/hr	105 mi	269 Wh/mi	183 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	4	29,997
Hyundai	Kona Electric 64 kWh	7.63 sec	104 mi/hr	248 mi	256 Wh/mi	367 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	37,086
Hyundai	IONIQ Electric	9.37 sec	102 mi/hr	155 mi	245 Wh/mi	203 mi/hr	Rapid charging possible	Front Wheel Drive	Liftback	5	31,326
Hyundai	Kona Electric 39 kWh	9.56 sec	96 mi/hr	158 mi	246 Wh/mi	203 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	30,883
Jaguar	I-Pace	4.63 sec	124 mi/hr	226 mi	371 Wh/mi	328 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	68,501
Kia	e-Niro 64 kWh	7.53 sec	104 mi/hr	229 mi	277 Wh/mi	338 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	34,641
Kia	e-Soul 64 kWh	7.63 sec	104 mi/hr	226 mi	280 Wh/mi	328 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	33,488
Kia	e-Soul 64 kWh	7.63 sec	104 mi/hr	226 mi	280 Wh/mi	309 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	33,488
Kia	e-Niro 39 kWh	9.46 sec	96 mi/hr	146 mi	267 Wh/mi	222 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	31,273
Kia	e-Soul 39 kWh	9.56 sec	97 mi/hr	143 mi	272 Wh/mi	212 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	30,121
Lexus	UX 300e	7.24 sec	99 mi/hr	167 mi	309 Wh/mi	183 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	45,455
Lightyear	One	9.66 sec	93 mi/hr	357 mi	166 Wh/mi	521 mi/hr	Rapid charging possible	All Wheel Drive	Liftback	5	135,455
Lucid	Air	2.70 sec	155 mi/hr	378 mi	288 Wh/mi	599 mi/hr	Rapid charging possible	All Wheel Drive	Sedan	5	95,455
Mazda	MX-30	8.69 sec	93 mi/hr	112 mi	285 Wh/mi	232 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	29,678
Mercedes	EQV 300 Long	9.66 sec	87 mi/hr	205 mi	437 Wh/mi	280 mi/hr	Rapid charging possible	Front Wheel Drive	SPV	7	64,210
Mercedes	EQC 400 4MATIC	4.92 sec	112 mi/hr	229 mi	346 Wh/mi	425 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	63,167

clean_ElectricCarData

Brand	Model	AccelSec_Mi	TopSpeed_Mi	Range_Mi	Efficiency_Mi	FastCharge_Mi	RapidCharge	PowerTrain	BodyStyle	Seats	PriceDollar
Mercedes	EQA	4.83 sec	124 mi/hr	217 mi	274 Wh/mi	425 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	40,909
MG	ZS EV	7.92 sec	87 mi/hr	136 mi	309 Wh/mi	251 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	27,273
Mini	Cooper SE	7.05 sec	93 mi/hr	115 mi	250 Wh/mi	251 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	4	28,801
Nissan	Ariya e-4ORCE 87kWh Performance	4.92 sec	124 mi/hr	233 mi	371 Wh/mi	435 mi/hr	Rapid charging possible	All Wheel Drive	Hatchback	5	59,091
Nissan	Ariya e-4ORCE 87kWh	5.50 sec	124 mi/hr	260 mi	331 Wh/mi	483 mi/hr	Rapid charging possible	All Wheel Drive	Hatchback	5	52,273
Nissan	Ariya 87kWh	7.34 sec	99 mi/hr	273 mi	317 Wh/mi	502 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	45,455
Nissan	Ariya e-4ORCE 63kWh	5.70 sec	124 mi/hr	202 mi	310 Wh/mi	425 mi/hr	Rapid charging possible	All Wheel Drive	Hatchback	5	45,455
Nissan	Ariya 63kWh	7.24 sec	99 mi/hr	205 mi	306 Wh/mi	425 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	40,909
Nissan	Leaf e+	7.05 sec	97 mi/hr	202 mi	275 Wh/mi	377 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	33,852
Nissan	e-NV200 Evalia	13.52 sec	76 mi/hr	118 mi	320 Wh/mi	183 mi/hr	Rapid charging possible	Front Wheel Drive	SPV	7	30,224
Nissan	Leaf	7.63 sec	89 mi/hr	136 mi	262 Wh/mi	222 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	26,576
Opel	Ampera-e	7.05 sec	93 mi/hr	208 mi	277 Wh/mi	203 mi/hr	Rapid charging possible	Front Wheel Drive	MPV	5	38,096
Opel	Mokka-e	8.21 sec	93 mi/hr	158 mi	282 Wh/mi	377 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	31,818
Opel	Corsa-e	7.82 sec	93 mi/hr	171 mi	262 Wh/mi	406 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	26,496
Peugeot	e-2008 SUV	8.21 sec	93 mi/hr	155 mi	288 Wh/mi	367 mi/hr	Rapid charging possible	Front Wheel Drive	SUV	5	31,237
Peugeot	e-208	7.82 sec	93 mi/hr	171 mi	262 Wh/mi	406 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	26,984
Polestar	2	4.54 sec	130 mi/hr	248 mi	290 Wh/mi	599 mi/hr	Rapid charging possible	All Wheel Drive	Liftback	5	51,309
Porsche	Taycan Turbo S	2.70 sec	161 mi/hr	233 mi	357 Wh/mi	753 mi/hr	Rapid charging possible	All Wheel Drive	Sedan	4	164,346
Porsche	Taycan Cross Turismo	3.38 sec	155 mi/hr	239 mi	347 Wh/mi	744 mi/hr	Rapid charging possible	All Wheel Drive	Station	4	136,364
Porsche	Taycan Turbo	3.09 sec	161 mi/hr	242 mi	344 Wh/mi	782 mi/hr	Rapid charging possible	All Wheel Drive	Sedan	4	134,819
Porsche	Taycan 4S Plus	3.86 sec	155 mi/hr	264 mi	315 Wh/mi	859 mi/hr	Rapid charging possible	All Wheel Drive	Sedan	4	99,365
Porsche	Taycan 4S	3.86 sec	155 mi/hr	226 mi	312 Wh/mi	705 mi/hr	Rapid charging possible	All Wheel Drive	Sedan	4	93,586
Renault	Kangoo Maxi ZE 33	21.63 sec	81 mi/hr	99 mi	310 Wh/mi	N/a	Rapid charging not possible	Front Wheel Drive	SPV	5	34,545
Renault	Zoe ZE50 R135	9.17 sec	87 mi/hr	192 mi	269 Wh/mi	222 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	30,121
Renault	Zoe ZE50 R110	11.01 sec	84 mi/hr	195 mi	264 Wh/mi	222 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	28,349
Renault	Zoe ZE40 R110	11.01 sec	84 mi/hr	158 mi	258 Wh/mi	222 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	26,576
Renault	Twingo ZE	12.17 sec	84 mi/hr	81 mi	262 Wh/mi	N/a	Rapid charging not possible	Rear Wheel Drive	Hatchback	4	22,536
SEAT	Mii Electric	11.88 sec	81 mi/hr	121 mi	266 Wh/mi	164 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	4	18,299
Skoda	Enyaq iV vRS	5.99 sec	112 mi/hr	248 mi	309 Wh/mi	521 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	43,182
Skoda	Enyaq iV 80X	6.76 sec	99 mi/hr	248 mi	309 Wh/mi	521 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	40,909
Skoda	Enyaq iV 80	8.50 sec	99 mi/hr	260 mi	293 Wh/mi	541 mi/hr	Rapid charging possible	Rear Wheel Drive	SUV	5	36,364
Skoda	Enyaq iV 60	8.69 sec	99 mi/hr	198 mi	290 Wh/mi	425 mi/hr	Rapid charging possible	Rear Wheel Drive	SUV	5	34,091
Skoda	Enyaq iV 50	9.66 sec	99 mi/hr	180 mi	286 Wh/mi	222 mi/hr	Rapid charging possible	Rear Wheel Drive	SUV	5	31,818
Skoda	CITIGOe iV	11.88 sec	81 mi/hr	121 mi	266 Wh/mi	164 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	4	22,304
Smart	EQ fortwo cabrio	11.49 sec	81 mi/hr	59 mi	282 Wh/mi	N/a	Rapid charging not possible	Rear Wheel Drive	Cabrio	2	22,332
Smart	EQ forfour	12.26 sec	81 mi/hr	59 mi	282 Wh/mi	N/a	Rapid charging not possible	Rear Wheel Drive	Hatchback	4	20,027
Smart	EQ fortwo coupe	11.20 sec	81 mi/hr	62 mi	267 Wh/mi	N/a	Rapid charging not possible	Rear Wheel Drive	Hatchback	2	19,443
Sono	Sion	8.69 sec	87 mi/hr	140 mi	250 Wh/mi	261 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	23,182
Tesla	Roadster	2.03 sec	254 mi/hr	601 mi	330 Wh/mi	888 mi/hr	Rapid charging possible	All Wheel Drive	Cabrio	4	195,455
Tesla	Model X Performance	2.70 sec	155 mi/hr	273 mi	346 Wh/mi	463 mi/hr	Rapid charging possible	All Wheel Drive	SUV	7	93,627
Tesla	Model S Performance	2.41 sec	162 mi/hr	313 mi	301 Wh/mi	531 mi/hr	Rapid charging possible	All Wheel Drive	Liftback	5	88,173
Tesla	Model X Long Range	4.44 sec	155 mi/hr	279 mi	338 Wh/mi	473 mi/hr	Rapid charging possible	All Wheel Drive	SUV	7	78,173
Tesla	Model S Long Range	3.67 sec	155 mi/hr	319 mi	294 Wh/mi	541 mi/hr	Rapid charging possible	All Wheel Drive	Liftback	5	72,718

clean_ElectricCarData

Brand	Model	AccelSec_Mi	TopSpeed_Mi	Range_Mi	Efficiency_Mi	FastCharge_Mi	RapidCharge	PowerTrain	BodyStyle	Seats	PriceDollar
Tesla	Cybertruck Tri Motor	2.90 sec	130 mi/hr	465 mi	427 Wh/mi	686 mi/hr	Rapid charging possible	All Wheel Drive	Pickup	6	68,182
Tesla	Model Y Long Range Performance	3.57 sec	149 mi/hr	254 mi	283 Wh/mi	869 mi/hr	Rapid charging possible	All Wheel Drive	SUV	7	59,655
Tesla	Model 3 Long Range Performance	3.28 sec	162 mi/hr	270 mi	267 Wh/mi	879 mi/hr	Rapid charging possible	All Wheel Drive	Sedan	5	55,891
Tesla	Model Y Long Range Dual Motor	4.92 sec	135 mi/hr	264 mi	274 Wh/mi	898 mi/hr	Rapid charging possible	All Wheel Drive	SUV	7	53,291
Tesla	Model 3 Long Range Dual Motor	4.44 sec	144 mi/hr	279 mi	258 Wh/mi	908 mi/hr	Rapid charging possible	All Wheel Drive	Sedan	5	50,436
Tesla	Cybertruck Dual Motor	4.83 sec	118 mi/hr	285 mi	418 Wh/mi	686 mi/hr	Rapid charging possible	All Wheel Drive	Pickup	6	50,000
Tesla	Model 3 Standard Range Plus	5.41 sec	140 mi/hr	192 mi	245 Wh/mi	628 mi/hr	Rapid charging possible	Rear Wheel Drive	Sedan	5	42,164
Tesla	Cybertruck Single Motor	6.76 sec	112 mi/hr	242 mi	410 Wh/mi	715 mi/hr	Rapid charging possible	Rear Wheel Drive	Pickup	6	40,909
Volkswagen	ID.4	7.24 sec	99 mi/hr	260 mi	293 Wh/mi	541 mi/hr	Rapid charging possible	Rear Wheel Drive	SUV	5	40,909
Volkswagen	ID.3 Pro S	7.63 sec	99 mi/hr	273 mi	280 Wh/mi	570 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	4	37,215
Volkswagen	ID.3 1st	7.05 sec	99 mi/hr	211 mi	274 Wh/mi	454 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	5	35,443
Volkswagen	ID.3 Pro Performance	7.05 sec	99 mi/hr	211 mi	274 Wh/mi	454 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	5	32,341
Volkswagen	ID.3 Pro	8.69 sec	99 mi/hr	217 mi	266 Wh/mi	473 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	5	30,000
Volkswagen	e-Golf	9.27 sec	93 mi/hr	118 mi	269 Wh/mi	212 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	5	29,000
Volkswagen	ID.3 Pure	9.66 sec	99 mi/hr	167 mi	267 Wh/mi	241 mi/hr	Rapid charging possible	Rear Wheel Drive	Hatchback	5	27,273
Volkswagen	e-Up!	11.49 sec	81 mi/hr	121 mi	266 Wh/mi	164 mi/hr	Rapid charging possible	Front Wheel Drive	Hatchback	4	19,474
Volvo	XC40 P8 AWD Recharge	4.73 sec	112 mi/hr	233 mi	320 Wh/mi	454 mi/hr	Rapid charging possible	All Wheel Drive	SUV	5	54,943

Changelog

Date	Description of Changes	Relevent Notes
Ex) Day 1	Created a Duplicate copy of the sheet for cleaning	
	Observed the range of the data	- the dataset set has 14 Columns and 104 Rows including a Header row.
	Created a filter highlighting the range of the data	
	Checking each column for Nulls using "is empty" condition - Brand	- no nulls found; many non-US sold brands included
	Checking each column for Nulls using "is empty" condition - Model	
	Checking each column for Nulls using "is empty" condition - Accel	
	Checking each column for Nulls using "is empty" condition - TopSpeed	
	Checking each column for Nulls using "is empty" condition - Range	
	Checking each column for Nulls using "is empty" condition - Efficiency	
	Checking each column for Nulls using "is empty" condition - FastCharge	- cross referencing with fields in RapidCharge column indicate non-valid value was appropriate
	Replaced "-" values in FastCharge column with "N/a"	- 5 records were changed
	Checking each column for Nulls using "is empty" condition - RapidCharge	
	Checking each column for Nulls using "is empty" condition - PowerTrain	
	Checking each column for Nulls using "is empty" condition - PlugType	
	Checking each column for Nulls using "is empty" condition - BodyStyle	
	Checking each column for Nulls using "is empty" condition - Segment	- no Nulls; unsure what the records in this column mean
	Checking each column for Nulls using "is empty" condition - Seats	
	Checking each column for Nulls using "is empty" condition - PriceEuro	
	Checked for Duplicates using Data Cleanup under the Data tab	- no duplicates were found
	Removed Whitespace using Data Cleanup under the Data tab	- no available whitespace to trim
	Converted all values in Model column to Plain text	- since some models contain only numbers, there were incorrectly formatted as number values in a string column
	Created a new column to covert Accel column from 0-100 km/hr acceleration to 0-60mi/hr	- divide value in Accel column by 1.0356 to get an estimated 0-60 mi; found conversion rate by using calculations including 100 km = 62.1371 mi; an issue occurred since Accel column contains string values
	Removed "sec" and trimmed whitespace from Accel column, formatted to numbers & renamed to AccelSec_Km	- Conversion from AccelSec_Km to AccelSec_Mi was now succesful; maintained two decimal places to mimic original column
	AccelSec_Km column was hid	
	Removed "km/h" and trimmed whitespace from TopSpeed column, formatted to numbers & renamed to TopSpeed_Km	- following the above steps resulted in no issues
	Created a new column to convert TopSpeed column from km to mi	- multiplied by conversion rate which in this case is 0.62; maintained no numbers after the decimal place
	TopSpeed_Km column was hid	
	Removed "km" and trimmed whitespace from Range column, formatted to numbers & renamed to Range_Km	
	Created a new column to convert Range column from km to mi	- multiplied by conversion rate which in this case is 0.62; maintained no numbers after the decimal place
	Range_Km column was hid	
	Removed "Wh/km" and trimmed whitespace from Efficiency column, formatted to numbers & renamed to Efficiency_Km	
	Created a new column to convert Efficiency column from Wh/km to Wh/mi	- multiplied by conversion rate which in this case is 1.60; maintained no numbers after the decimal place
	Efficiency_Km column was hid	
	Removed "km/h" and trimmed whitespace from FastCharge column, formatted to numbers & renamed to FastCharge_Km	

Changelog

	Created a new column to convert FastCharge column from km/hr to mi/hr	- used the same conversion as the Accel column; maintained no numbers after the decimal place
	#Value error addressed using IF function to bypass nonnumerical records	- 5 records had "N/a" in FastCharge_Km column
	FastCharge_Km column was hid	
	Custom Formatted the Accel_Mi, TopSpeed_Mi, Range_Mi, Efficiency_Mi, FastCharge_Mi columns to include the units in each record	- will not affect calculations b/c the units are understood to be a separate string
	Created a new column to convert PriceEurocolumn to PriceDollar	- current currency exchange as of date show 1 euro = 1.10 dollars; manintained no decimal numbers
Ex) Day 2	Removed Segment column	- market segment not useful to analysis; lack of context from datasource
	Removed PlugType column	- not useful to current analysis
	Duplicated sheet to perform basic statistics in separate sheet	
	Created a Stats column to measure descriptive statistics for value columns	- FastCharge_mi values resulted in error since some fields contain "N/a" string; Mean, Median, Mode, Min, Max, & Stddevp obtained for quantitative columns; Mode obtained for qualitative columns
	Used an IFERROR function to bypass string fields	- resulted in stats being obtained
	Used scatterplots to check for outliers in quantitative data columns	- outlier on AccelSec_Mi column that would affect stats
		- outlier on TopSpeed column that would affect stats
	Created a table out of the dataset to sort & filter	
	Performed bivariate analysis on Brand vs. average PriceDollars	- Pivot Table plus Chart created for visualization
	Performed bivariate analysis on BodyStyle vs. average PriceDollars	
	Performed bivariate analysis on PowerTrain vs. average AccelSec	- felt unnecesary to create chart for this Pivot Table

EDA

| Data Source |
|---|
| Downloaded the dataset from Kaggle with source credits to ev-database.org/; data was last updated four years ago with no plans for a future update |
| Kaggle License is CC0: Public Domain; the purpose of this dataset is to practice cleaning and exploratory data analysis |
| |
| **Raw Data** |
| Raw data shows 103 rows & 14 columns |
| Included fields: Brand, Model, Accel(Acceleration), TopSpeed, Range, Efficiency, FastCharge, RapidCharge, PowerTrain, PlugType, BodyStyle, Segment, Seats, PriceEuro |
| Qualitative data: Brand, Model, FastCharge, RapidCharge, PowerTrain, PlugType, BodyStyle, Segment |
| Quantitative data: Accel, TopSpeed, Range, Efficiency, Seats, PriceEuro |
| RapidCharge field includes "Rapid charging possible" & "Rapid charging not possible" records |
| PowerTrain field includes "Front Wheel Drive", "Rear Wheel Drive", & "All Wheel Drive" records |
| Seats field "2", "4", "5", "6" & "7" records |
| Price field includes a min value of "18,299", a max value of "195,455 & a mean value of "50,738" |
| Stats tab includes this data plus more for each quantitative field and some applicable qualitative fields |
| |
| **Clean Data** |
| Outlier in AccelSec column that affects Mean for variable |
| Outlier on TopSpeed column that affects Mean for variable |
| Top 5 Brand/Model for best in AccelSec (smallest numerical) include 3 Tesla Models, 1 Porsche, and 1 Lucid |
| Top 5 Brand/Model for best in TopSpeed (largest num) include 3 Tesla Models and 2 Porsche Models |
| Top 5 Brand/Model for best in Range (largest num) include 3 Tesla Models, 1 Lucid, and 1 Lightyear |
| Top 5 Brand/Model for best in Efficiency (largest num) include 2 Tesla Models, 2 Audi, and 1 Mercedes |
| Top 5 Brand/Model for best in FastCharge (largest num) include 5 Tesla Models |
| Top 5 most expensive Brand/Model for price (largest num) include 3 Porsche Models, 1 Tesla, and 1 Lightyear |
| Top 5 least expensive Brand/Model for price (smallest num) include 2 Smart Models, 1 SEAT, 1 Volkswagen, and 1 Skoda |

Brand	AVERAGE of PriceDollar
Aiways	32,779
Audi	73,267
BMW	48,314
Byton	54,394
Citroen	36,364
CUPRA	40,909
DS	34,020
Fiat	33,091
Ford	49,608
Honda	31,326
Hyundai	33,098
Jaguar	68,501
Kia	32,602
Lexus	45,455
Lightyear	135,455
Lucid	95,455
Mazda	29,678
Mercedes	56,095
MG	27,273
Mini	28,801
Nissan	41,729
Opel	32,137
Peugeot	29,110
Polestar	51,309
Porsche	125,696
Renault	28,426
SEAT	18,299
Skoda	34,778
Smart	20,601
Sono	23,182
Tesla	72,975
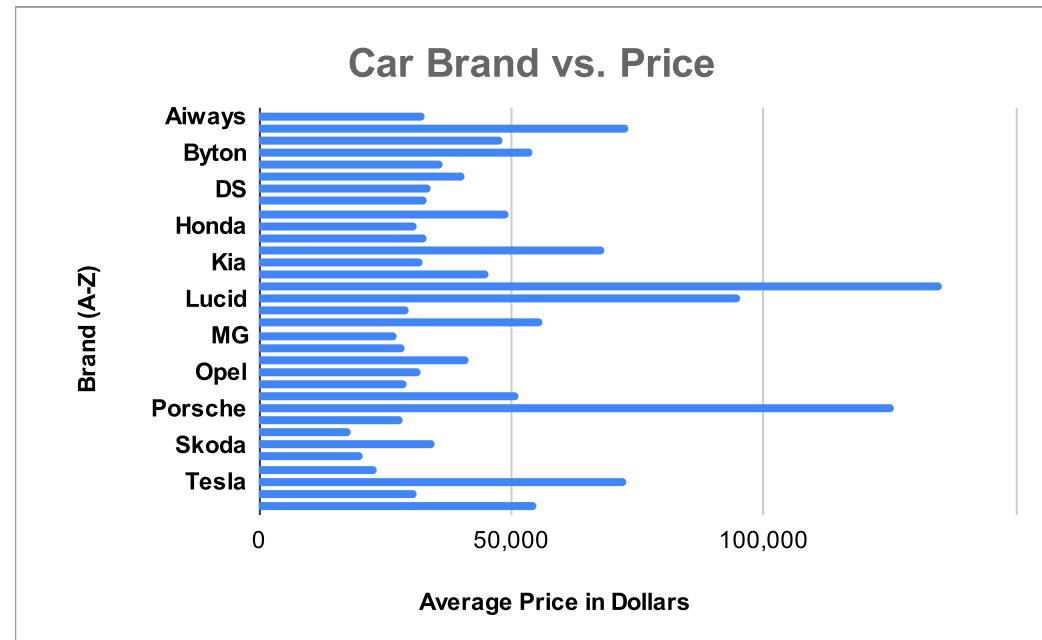
Car Brand vs. Price

Volkswagen	31,457
Volvo	54,943

BodyStyle	AVERAGE of PriceDollar
Cabrio	84,080
Hatchback	31,721
Liftback	75,796
MPV	38,096
Pickup	53,030
Sedan	90,879
SPV	42,993
Station	136,364
SUV	49,075

Body Style vs Price

Average Price in Dollars
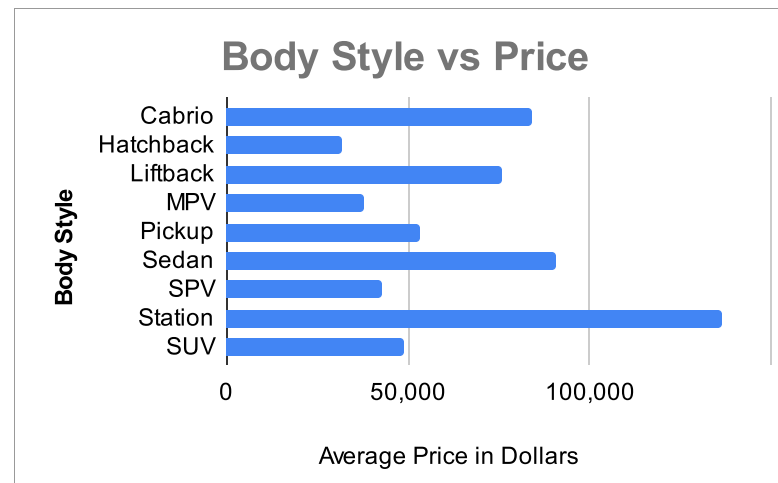
PT- PowerTrain x AccelSec

PowerTrain	AVERAGE of AccelSec_M
All Wheel Drive	4.72 sec
Front Wheel Drive	9.21 sec
Rear Wheel Drive	8.06 sec

Stats_ElectricCarData

Stats	Brand	Model	AccelSec_Mi	TopSpeed_Mi	Range_Mi	Efficiency_Mi	FastCharge_Mi	RapidCharge	PowerTrain	PlugType	BodyStyle	Segment	Seats	PriceDollar
Mean			7.14 sec	111.10 sec	210.05 sec	302.66 sec	441.03 sec							$50,738
Median			7.05 sec	99.20 sec	210.80 sec	288.00 sec	424.87 sec							$40,909
Mode	Tesla		8.69 sec	99.20 sec	248.00 sec	268.80 sec	222.09 sec	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	C	5	$40,909
Min			2.03 sec	76.26 sec	58.90 sec	166.40 sec	164.16 sec							$18,299
Max			21.63 sec	254.20 sec	601.40 sec	436.80 sec	907.69 sec							$195,455
Stdevp			2.90 sec	26.88 sec	77.75 sec	47.08 sec	193.35 sec							$30,881

raw_ElectricCarData

Brand	Model	Accel	TopSpeed	Range	Efficiency	FastCharge	RapidCharge	PowerTrain	PlugType	BodyStyle	Segment	Seats	PriceEuro
Tesla	Model 3 Long Range Dual Motor	4.6 sec	233 km/h	450 km	161 Wh/km	940 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Sedan	D	5	55480
Volkswagen	ID.3 Pure	10.0 sec	160 km/h	270 km	167 Wh/km	250 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Hatchback	C	5	30000
Polestar	2	4.7 sec	210 km/h	400 km	181 Wh/km	620 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Liftback	D	5	56440
BMW	iX3	6.8 sec	180 km/h	360 km	206 Wh/km	560 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	SUV	D	5	68040
Honda	e	9.5 sec	145 km/h	170 km	168 Wh/km	190 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Hatchback	B	4	32997
Lucid	Air	2.8 sec	250 km/h	610 km	180 Wh/km	620 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Sedan	F	5	105000
Volkswagen	e-Golf	9.6 sec	150 km/h	190 km	168 Wh/km	220 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	C	5	31900
Peugeot	e-208	8.1 sec	150 km/h	275 km	164 Wh/km	420 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	B	5	29682
Tesla	Model 3 Standard Range Plus	5.6 sec	225 km/h	310 km	153 Wh/km	650 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Sedan	D	5	46380
Audi	Q4 e-tron	6.3 sec	180 km/h	400 km	193 Wh/km	540 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	D	5	55000
Mercedes	EQC 400 4MATIC	5.1 sec	180 km/h	370 km	216 Wh/km	440 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	D	5	69484
Nissan	Leaf	7.9 sec	144 km/h	220 km	164 Wh/km	230 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CHAdeMO	Hatchback	C	5	29234
Hyundai	Kona Electric 64 kWh	7.9 sec	167 km/h	400 km	160 Wh/km	380 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	B	5	40795
BMW	i4	4.0 sec	200 km/h	450 km	178 Wh/km	650 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Sedan	D	5	65000
Hyundai	IONIQ Electric	9.7 sec	165 km/h	250 km	153 Wh/km	210 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Liftback	C	5	34459
Volkswagen	ID.3 Pro S	7.9 sec	160 km/h	440 km	175 Wh/km	590 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 S	Hatchback	C	4	40936
Porsche	Taycan Turbo S	2.8 sec	260 km/h	375 km	223 Wh/km	780 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Sedan	F	4	180781
Volkswagen	e-Up!	11.9 sec	130 km/h	195 km	166 Wh/km	170 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	A	4	21421
MG	ZS EV	8.2 sec	140 km/h	220 km	193 Wh/km	260 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	B	5	30000
Mini	Cooper SE	7.3 sec	150 km/h	185 km	156 Wh/km	260 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	B	4	31681
Opel	Corsa-e	8.1 sec	150 km/h	275 km	164 Wh/km	420 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	B	5	29146
Tesla	Model Y Long Range Dual Motor	5.1 sec	217 km/h	425 km	171 Wh/km	930 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	D	7	58620
Skoda	Enyaq iV 50	10.0 sec	160 km/h	290 km	179 Wh/km	230 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	SUV	C	5	35000
Audi	e-tron GT	3.5 sec	240 km/h	425 km	197 Wh/km	850 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Sedan	F	4	125000
Tesla	Model 3 Long Range Performance	3.4 sec	261 km/h	435 km	167 Wh/km	910 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Sedan	D	5	61480
Volkswagen	ID.4	7.5 sec	160 km/h	420 km	183 Wh/km	560 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	SUV	C	5	45000
Volkswagen	ID.3 Pro	9.0 sec	160 km/h	350 km	166 Wh/km	490 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Hatchback	C	5	33000
Volvo	XC40 P8 AWD Recharge	4.9 sec	180 km/h	375 km	200 Wh/km	470 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	C	5	60437
BMW	i3 120 Ah	7.3 sec	150 km/h	235 km	161 Wh/km	270 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Hatchback	B	4	38017
Peugeot	e-2008 SUV	8.5 sec	150 km/h	250 km	180 Wh/km	380 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	B	5	34361
Audi	e-tron 50 quattro	6.8 sec	190 km/h	280 km	231 Wh/km	450 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	E	5	67358
Kia	e-Niro 64 kWh	7.8 sec	167 km/h	370 km	173 Wh/km	350 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	C	5	38105
Renault	Zoe ZE50 R110	11.4 sec	135 km/h	315 km	165 Wh/km	230 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	B	5	31184
Tesla	Cybertruck Tri Motor	3.0 sec	210 km/h	750 km	267 Wh/km	710 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Pickup	N	6	75000
Mazda	MX-30	9.0 sec	150 km/h	180 km	178 Wh/km	240 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	C	5	32646
Nissan	Leaf e+	7.3 sec	157 km/h	325 km	172 Wh/km	390 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CHAdeMO	Hatchback	C	5	37237
Lexus	UX 300e	7.5 sec	160 km/h	270 km	193 Wh/km	190 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CHAdeMO	SUV	C	5	50000
CUPRA	el-Born	6.5 sec	160 km/h	425 km	181 Wh/km	570 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Hatchback	C	4	45000
Renault	Zoe ZE50 R135	9.5 sec	140 km/h	310 km	168 Wh/km	230 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	B	5	33133
Mercedes	EQA	5.0 sec	200 km/h	350 km	171 Wh/km	440 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	C	5	45000
Tesla	Model S Long Range	3.8 sec	250 km/h	515 km	184 Wh/km	560 km/h	Rapid charging possible	All Wheel Drive	Type 2	Liftback	F	5	79990
Hyundai	Kona Electric 39 kWh	9.9 sec	155 km/h	255 km	154 Wh/km	210 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	B	5	33971
Audi	e-tron Sportback 55 quattro	5.7 sec	200 km/h	380 km	228 Wh/km	610 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	E	5	81639
Skoda	CITIGOe iV	12.3 sec	130 km/h	195 km	166 Wh/km	170 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	A	4	24534
SEAT	Mii Electric	12.3 sec	130 km/h	195 km	166 Wh/km	170 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	A	4	20129
Kia	e-Soul 64 kWh	7.9 sec	167 km/h	365 km	175 Wh/km	340 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	B	5	36837
Opel	Ampera-e	7.3 sec	150 km/h	335 km	173 Wh/km	210 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	MPV	B	5	41906
Porsche	Taycan 4S	4.0 sec	250 km/h	365 km	195 Wh/km	730 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Sedan	F	4	102945
Lightyear	One	10.0 sec	150 km/h	575 km	104 Wh/km	540 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Liftback	F	5	149000

Brand	Model	Accel	TopSpeed	Range	Efficiency	FastCharge	RapidCharge	PowerTrain	PlugType	BodyStyle	Segment	Seats	Price
Aiways	U5	9.0 sec	150 km/h	335 km	188 Wh/km	350 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	C	5	36057
Audi	e-tron 55 quattro	5.7 sec	200 km/h	365 km	237 Wh/km	590 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	E	5	79445
Tesla	Roadster	2.1 sec	410 km/h	970 km	206 Wh/km	920 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Cabrio	S	4	215000
Opel	Mokka-e	8.5 sec	150 km/h	255 km	176 Wh/km	390 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	B	5	35000
Skoda	Enyaq iV 80	8.8 sec	160 km/h	420 km	183 Wh/km	560 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	SUV	C	5	40000
Tesla	Model X Long Range	4.6 sec	250 km/h	450 km	211 Wh/km	490 km/h	Rapid charging possible	All Wheel Drive	Type 2	SUV	F	7	85990
Honda	e Advance	8.3 sec	145 km/h	170 km	168 Wh/km	190 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Hatchback	B	4	35921
DS	3 Crossback E-Tense	8.7 sec	150 km/h	250 km	180 Wh/km	380 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	B	5	37422
Renault	Twingo ZE	12.6 sec	135 km/h	130 km	164 Wh/km	-	Rapid charging not possible	Rear Wheel Drive	Type 2	Hatchback	A	4	24790
Citroen	e-C4	9.7 sec	150 km/h	250 km	180 Wh/km	380 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	C	5	40000
Tesla	Model S Performance	2.5 sec	261 km/h	505 km	188 Wh/km	550 km/h	Rapid charging possible	All Wheel Drive	Type 2	Liftback	F	5	96990
Renault	Zoe ZE40 R110	11.4 sec	135 km/h	255 km	161 Wh/km	230 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	B	5	29234
Tesla	Model Y Long Range Performance	3.7 sec	241 km/h	410 km	177 Wh/km	900 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	D	7	65620
Nissan	Ariya 87kWh	7.6 sec	160 km/h	440 km	198 Wh/km	520 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	C	5	50000
Jaguar	I-Pace	4.8 sec	200 km/h	365 km	232 Wh/km	340 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	E	5	75351
Ford	Mustang Mach-E ER RWD	7.0 sec	180 km/h	450 km	200 Wh/km	430 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	SUV	D	5	54475
Porsche	Taycan 4S Plus	4.0 sec	250 km/h	425 km	197 Wh/km	890 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Sedan	F	4	109302
Nissan	e-NV200 Evalia	14.0 sec	123 km/h	190 km	200 Wh/km	190 km/h	Rapid charging possible	Front Wheel Drive	Type 1 CHAdeMO	SPV	N	7	33246
Tesla	Cybertruck Dual Motor	5.0 sec	190 km/h	460 km	261 Wh/km	710 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Pickup	N	6	55000
Renault	Kangoo Maxi ZE 33	22.4 sec	130 km/h	160 km	194 Wh/km	-	Rapid charging not possible	Front Wheel Drive	Type 2	SPV	N	5	38000
Ford	Mustang Mach-E ER AWD	6.0 sec	180 km/h	430 km	209 Wh/km	410 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	D	5	62900
BMW	i3s 120 Ah	6.9 sec	160 km/h	230 km	165 Wh/km	260 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Hatchback	B	4	41526
Skoda	Enyaq iV 80X	7.0 sec	160 km/h	400 km	193 Wh/km	540 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	C	5	45000
Porsche	Taycan Cross Turismo	3.5 sec	250 km/h	385 km	217 Wh/km	770 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Station	F	4	150000
Byton	M-Byte 95 kWh 4WD	5.5 sec	190 km/h	390 km	244 Wh/km	460 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	E	5	64000
Sono	Sion	9.0 sec	140 km/h	225 km	156 Wh/km	270 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	C	5	25500
Kia	e-Niro 39 kWh	9.8 sec	155 km/h	235 km	167 Wh/km	230 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	C	5	34400
Audi	Q4 Sportback e-tron	6.3 sec	180 km/h	410 km	188 Wh/km	550 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	D	5	57500
Smart	EQ forfour	12.7 sec	130 km/h	95 km	176 Wh/km	-	Rapid charging not possible	Rear Wheel Drive	Type 2	Hatchback	A	4	22030
Ford	Mustang Mach-E SR AWD	6.0 sec	180 km/h	340 km	206 Wh/km	360 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	D	5	54000
Porsche	Taycan Turbo	3.2 sec	260 km/h	390 km	215 Wh/km	810 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Sedan	F	4	148301
Volkswagen	ID.3 1st	7.3 sec	160 km/h	340 km	171 Wh/km	470 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Hatchback	C	5	38987
Tesla	Model X Performance	2.8 sec	250 km/h	440 km	216 Wh/km	480 km/h	Rapid charging possible	All Wheel Drive	Type 2	SUV	F	7	102990
Smart	EQ fortwo coupe	11.6 sec	130 km/h	100 km	167 Wh/km	-	Rapid charging not possible	Rear Wheel Drive	Type 2	Hatchback	A	2	21387
Ford	Mustang Mach-E SR RWD	6.6 sec	180 km/h	360 km	194 Wh/km	380 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	SUV	D	5	46900
Mercedes	EQV 300 Long	10.0 sec	140 km/h	330 km	273 Wh/km	290 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SPV	N	7	70631
Fiat	500e Hatchback	9.0 sec	150 km/h	250 km	168 Wh/km	330 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	B	4	34900
Tesla	Cybertruck Single Motor	7.0 sec	180 km/h	390 km	256 Wh/km	740 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Pickup	N	6	45000
Audi	e-tron Sportback 50 quattro	6.8 sec	190 km/h	295 km	219 Wh/km	470 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	E	5	69551
Skoda	Enyaq iV vRS	6.2 sec	180 km/h	400 km	193 Wh/km	540 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	C	5	47500
Skoda	Enyaq iV 60	9.0 sec	160 km/h	320 km	181 Wh/km	440 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	SUV	C	5	37500
Audi	e-tron S 55 quattro	4.5 sec	210 km/h	320 km	270 Wh/km	510 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	E	5	93800
Smart	EQ fortwo cabrio	11.9 sec	130 km/h	95 km	176 Wh/km	-	Rapid charging not possible	Rear Wheel Drive	Type 2	Cabrio	A	2	24565
Kia	e-Soul 64 kWh	7.9 sec	167 km/h	365 km	175 Wh/km	320 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	B	5	36837
Nissan	Ariya e-4ORCE 87kWh	5.7 sec	200 km/h	420 km	207 Wh/km	500 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Hatchback	C	5	57500
Fiat	500e Convertible	9.0 sec	150 km/h	250 km	168 Wh/km	330 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Cabrio	B	4	37900
Volkswagen	ID.3 Pro Performance	7.3 sec	160 km/h	340 km	171 Wh/km	470 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	Hatchback	C	5	35575
Kia	e-Soul 39 kWh	9.9 sec	157 km/h	230 km	170 Wh/km	220 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	SUV	B	5	33133
Byton	M-Byte 72 kWh 2WD	7.5 sec	190 km/h	325 km	222 Wh/km	420 km/h	Rapid charging possible	Rear Wheel Drive	Type 2 CCS	SUV	E	5	53500
Nissan	Ariya 63kWh	7.5 sec	160 km/h	330 km	191 Wh/km	440 km/h	Rapid charging possible	Front Wheel Drive	Type 2 CCS	Hatchback	C	5	45000

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Audi	e-tron S Sportback 55 quattro	4.5 sec	210 km/h	335 km	258 Wh/km	540 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	E	5	96050
Nissan	Ariya e-4ORCE 63kWh	5.9 sec	200 km/h	325 km	194 Wh/km	440 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Hatchback	C	5	50000
Nissan	Ariya e-4ORCE 87kWh Performance	5.1 sec	200 km/h	375 km	232 Wh/km	450 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	Hatchback	C	5	65000
Byton	M-Byte 95 kWh 2WD	7.5 sec	190 km/h	400 km	238 Wh/km	480 km/h	Rapid charging possible	All Wheel Drive	Type 2 CCS	SUV	E	5	62000