

Supplementary Materials - SURVEY RESEARCH INSTRUMENT

Analysis of the factors that influence the decision to buy Electric Vehicles in Brazil

Dear respondent,

We would like to invite you to take part in a survey by the Postgraduate Program in Production Engineering - PPGE/UFES, which aims to analyze the factors that influence the decision to buy electric vehicles in Brazil.

Respondents who are interested in receiving a report on this survey can provide an e-mail address at the end of the questionnaire to receive the material.

We ask you to select the alternative that represents the factors and variables that influence the decision to buy electric vehicles (EVs).

First block: Personal factors

1. Age *

- between 18 and 25 years
- between 26 and 35 years
- between 36 and 45 years
- between 46 and 55 a years
- over 55 years

2) Sex*

- Female
- Male
- Non-declared

3) Education: *

- Elementary school
- High school
- Higher Education
- Postgraduate / MBA / Master's degree
- Doctorate

4) What is your gross monthly personal income? *

- Up to R\$2,640.00
- from R\$2,641.00 to R\$6,600.00
- from R\$6,601.00 to R\$13,200.00
- from R\$13.201,00 to R\$20.000,00
- over R\$20,000.0

5) Which state do you live in? *

- Acre Bahia Goiás Minas Gerais Pernambuco
- Alagoas Ceara Maranhão Pará Piauí
- Amapá Distrito Federal Mato Grosso Paraíba Rio de Janeiro
- Amazonas Espírito Santo Mato Grosso do Sul Paraná Rio Grande do Norte
- Rio Grande do Sul Rondônia Roraima Santa Catarina São Paulo
- Sergipe Tocantis

6) You own an electric/hybrid vehicle? *

- Yes
 No

7) Qual a motorização do seu veículo? *

- Electric Vehicle
 Hybrid Vehicle (electric/fuel)

8) What make of vehicle? *

- BYD BMW JAC Hyundai Nissan
 Renault Chevrolet Jaguar Volvo Other: _____
 Toyota Caoa Cherry Tesla Peugeot

9) Interested in buying an electric or hybrid vehicle? *

- Electric Vehicle
 Hybrid Vehicle (electric/fuel)

Second block: Psychological factors

10 - Mark the degree of interest of each Psychological Factors variable in the intention to buy electric vehicles, according to the following scale:					
	1 – Almost zero interest	2 – Little interest	3 – Medium Interest	4 – Great Interest	5 – Extremely high interest
a) Brand	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Comfort	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Safety	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Consumer Behavior (Experience of other users)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Third block: Economic factors

11 - Please indicate the degree of interest of each Economic Factors variable in the intention to purchase electric vehicles, according to the following scale:					
	1 – Almost zero interest	2 – Little interest	3 – Medium Interest	4 – Great Interest	5 – Extremely high interest
a) Purchase Price	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b) Added value	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) Long-term savings	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) Maintenance Price	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) Recharge price	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) Charging System Price	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g) Tax incentives	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h) Government subsidies	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Fourth block: Performance Factors

12 - Please indicate the degree of interest of each variable of the Performance Factors in the intention to purchase electric vehicles, according to the following scale:					
	1 – Almost zero interest	2 – Little interest	3 – Medium Interest	4 – Great Interest	5 – Extremely high interest
a) Changes in daily routine due to autonomy	()	()	()	()	()
b) Recharging time	()	()	()	()	()
c) Recharging locations	()	()	()	()	()
d) Distance between recharging sites	()	()	()	()	()
e) Recharging infrastructure	()	()	()	()	()
f) Availability of recharging infrastructure	()	()	()	()	()
g) Battery	()	()	()	()	()
h) Technological Integration	()	()	()	()	()
i) Maintenance	()	()	()	()	()
j) Performance	()	()	()	()	()

Fifth block: Environmental factors

13 - Please indicate the degree of interest of each Environmental Factors variable in the intention to purchase electric vehicles, according to the following scale:					
	1 – Almost zero interest	2 – Little interest	3 – Medium Interest	4 – Great Interest	5 – Extremely high interest
a) Low CO2 emissions per EV	()	()	()	()	()
b) Environmentally responsible	()	()	()	()	()
c) Sustainable transportation	()	()	()	()	()
d) Ecological products	()	()	()	()	()
e) Environmental preservation	()	()	()	()	()
f) Reduction of environmental impacts	()	()	()	()	()
g) Pollution Reduction	()	()	()	()	()
h) Climate Change Mitigation	()	()	()	()	()
i) Resources for energy reuse	()	()	()	()	()

Sixth block: Barriers

14 - Please indicate the degree to which each Barriers variable affects your intention to buy electric vehicles, according to the following scale:					
	1 – Almost zero barrier	2 – Small barrier	3 – Medium barrier	4 – 3 Large barrier	5 – Extremely large barrier
a) Lack of technical support	()	()	()	()	()
b) High purchase price	()	()	()	()	()
c) Limited battery life	()	()	()	()	()
d) Lack of charging infrastructure	()	()	()	()	()
e) Recharging time	()	()	()	()	()
f) Lack of subsidies and tax incentives	()	()	()	()	()

If you are interested in receiving a report on this research, please enter your e-mail address:
