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|  | **Variable** | **Definition** |
| **1** | **BuyEV** | purchase choice |
| **2** | **PriceBudgetRatio** | price of EV divided by respondent's highest budget |
| **3** | **range** | driving range of EV in scenario |
| **4** | **HomeSlowChgWalkTime** | walking time (minutes) from home to nearest slow charging |
| **5** | **WorkSlowChagWalkTime** | walking time (minutes) from work to nearest slow charging |
| **6** | **FastChgTime** | fast charging time (minutes) from empty to full charge |
| **7** | **TownToFastChgDriveTime** | driving time from any place in town to a fast-charging station (minutes) |
| **8** | **HwyFastChgDistance** | average distance (miles) between two fast charging stations on highway |
| **9** | **gender** | What is your gender? |
| **10** | **race** | Which race best describes you? |
| **11** | **state** | In what state or U.S. territory do you live? |
| **12** | **license** | Do you have a valid driver’s license? |
| **13** | **edu** | What is the highest level of education you have completed? |
| **14** | **employment** | Which of the following categories best describes your employment status? |
| **15** | **hsincome** | What was your household income last year? |
| **16** | **hhsize** | How many people currently live in your household? |
| **17** | **housit** | What is your housing situation? |
| **18** | **residence** | In what type of residence do you live? |
| **19** | **move** | Do you plan to move out from your current house within the next 3 years? |
| **20** | **all\_car** | How many cars do you own? |
| **21** | **new\_car** | If any, how many of your cars were new when they were purchased? |
| **22** | **ev** | How many electric cars do you own? |
| **23** | **new\_ev** | If any, how many of your electric cars were new when they were purchased? |
| **24** | **home\_parking** | What is your parking situation at home? |
| **25** | **hp2** |  |
| **26** | **hp3** |  |
| **27** | **hp4** |  |
| **28** | **hp5** |  |
| **29** | **hp6** |  |
| **30** | **HomeChgAvai** | Do you have an electrical outlet or electric vehicle (EV) charging facility at your usual home parking space? |
| **31** | **work\_parking** | What is your usual parking situation at your place of work/school? |
| **32** | **WorkChgAvai** | Are electric vehicle (EV) charging facilities available at your place of work/school? i.e. Could you plug in an EV and charge it while parking at work/school? |
| **33** | **buycar** | Do you plan to buy a car in the next 3 years? |
| **34** | **zipcode** | your current home ZIP code |
| **35** | **dmileage** | Suppose you are replacing your car. How far do you typically drive the car to be replaced daily? |
| **36** | **long\_dist** | How many long distance trips (i.e. trips more than 50 miles from your home) did you make by driving the car to be replaced last month? |
| **37** | **gascost** | Approximately how much money did you spend on gasoline for the car to be replaced last month? |
| **38** | **age** | In what year were you born? Age of respondent (years)=2019-answer |
| **39** | **used\_car\_owner** | whether respondent owns used car |
| **40** | **used\_ev\_owner** | whether respondent owns used EV |
| **41** | **used** | whether respondent answered used car scenario |
| **42** | **NextCarBudget** | Highest budget of next car chosen from the drop down menu in numerical form (eg. 10000) |
| **43** | **PopDensity** | Population density of home zipcode (based on 2010 Census) |
| **44** | **orphan** | whether the respondent is identified as a garage orphan who does not have an off-street home parking space or accessible electricity outlets for home charging |
| **45** | **ev\_owner** | whether the respondent is an EV owner |
| **46** | **priceshow** | price of EV shown in each scenario |
| **47** | **zip\_median\_home\_value** | Median home value of zipcode. |
| **48** | **state\_elec\_price** | Electricity price in each state (cent per kwh). |
| **49** | **state\_high\_temp** | State annual average high temperature over the entire state between 1991-2020. |
| **50** | **state\_precip** | State annual average precipitation. |