

# 2017 California Vehicle Survey

*NREL TSDC Data Dictionary*

Region: California  
Agency: California Energy Commission  
Publication: [https://www.nrel.gov/transportation/secure-transportation-data/assets/pdfs/cec\\_2015-2017\\_california\\_vehicle\\_survey\\_report.pdf](https://www.nrel.gov/transportation/secure-transportation-data/assets/pdfs/cec_2015-2017_california_vehicle_survey_report.pdf)  
Citation: "Transportation Secure Data Center." ([YEAR]). National Renewable Energy Laboratory. Accessed [DATE]: [www.nrel.gov/tsdc](http://www.nrel.gov/tsdc).

# Table Definitions

Table	Description
obd_points	Table contains all valid GPS points (associated with GPS trips) collected by the sampled vehicle GPS/OBD households during the assigned travel day.
obd_rawtrips	Table contains raw trip-level information for each trip identified by the OBD engine sensor during the study period.
obd_trips	Table contains vehicle trip records from vehicles equipped with OBD instruments.
obd_tripsampdata	Table contains sample data for OBD trips.
obdr_activity	Table contains vehicle activity records for vehicles equipped with OBD instruments.
obdr_activity_codes	Table maps to "obdr_activity" table to provide more detail for activity records.
obdr_diagnostics	Table contains records of operational diagnostics from vehicles equipped with OBD instruments.
obdr_speedrecords	Table contains vehicle speed records from vehicles equipped with OBD instruments.
obdr_tripextdistsamp	Table contains records on distance traveled per trip from vehicles equipped with OBD instruments.
obdr_tripfuel	Table contains records on fuel consumption per trip via OBDs.
v_gpstrips_nrel	Table contains the results of the NREL standard drive cycles processing routine. The processing is intended to filter the vehicle speed profiles to make them better suited inputs to vehicle powertrain models. More information can be found at <a href="https://www.nrel.gov/docs/fy13osti/53865.pdf">https://www.nrel.gov/docs/fy13osti/53865.pdf</a> . This table contains the trip level summary statistics (~250 stats) for each drive cycle.
v_obd_gps_vehicles_nrel	Table contains the results of the NREL standard drive cycles processing routine. The processing is intended to filter the vehicle speed profiles to make them better suited inputs to vehicle powertrain models. More information can be found at <a href="https://www.nrel.gov/docs/fy13osti/53865.pdf">https://www.nrel.gov/docs/fy13osti/53865.pdf</a> . This table contains metadata from the drive cycles processing routine for each vehicle in the dataset, to report on the quality of the vehicles' original data, and how much was modified in the drive cycle processing.
v_obd_gpsmicrotrips_nrel	Table contains the results of the NREL standard drive cycles processing routine. The processing is intended to filter the vehicle speed profiles to make them better suited inputs to vehicle powertrain models. More information can be found at <a href="https://www.nrel.gov/docs/fy13osti/53865.pdf">https://www.nrel.gov/docs/fy13osti/53865.pdf</a> . This table contains summary statistics for all microtrips (0 speed - to - 0 speed events) in the drive cycles.
v_obd_gpstripends	Table contains trip start/endpoints as well as additional trip statistics such as max speed and location types.
v_obd_gpstrips_nrel	Table contains the results of the NREL standard drive cycles processing routine. The processing is intended to filter the vehicle speed profiles to make them better suited inputs to vehicle powertrain models. More information can be found at <a href="https://www.nrel.gov/docs/fy13osti/53865.pdf">https://www.nrel.gov/docs/fy13osti/53865.pdf</a> . This table contains the trip level summary statistics (~250 stats) for each OBD drive cycle.
v_obd_households	Table includes additional data from the households who participated in the study.
v_obd_points	Table contains all valid GPS points (associated with GPS trips) collected by the sampled vehicle GPS households during the assigned travel day. This table was provided by AKDOT with OBD collected data joined on time_local to the GPS data. The OBD data loggers used in the study had a time drift that grew as the travel survey went on. In post-processing, the data provider attempted to realign data but states that they can only be confident of all points being within ~5 mins of each other. The OBD data provided in this table is incomplete since some data could have been lost in joining to the GPS data by time_local.
v_obd_points_nrel	Table contains the results of the NREL standard drive cycles processing routine. The processing is intended to filter the vehicle speed profiles to make them better suited inputs to vehicle powertrain models. More information can be found at <a href="https://www.nrel.gov/docs/fy13osti/53865.pdf">https://www.nrel.gov/docs/fy13osti/53865.pdf</a> . This table contains the point level results of the cleaning/filtering routine.
v_obd_vehicles	Table provides characteristics for the vehicles outfitted with onboard GPS devices.

# Column Definitions

Column	Table	Data Type	Description
a1_fuelavail	survey_com_vehchoice	bigint	Time to station in minutes
a1_fuelavail_loc	survey_com_vehchoice	bigint	Refueling location (categorical)
a1_incentive	survey_com_vehchoice	text	Vehicle purchase initiative (categorical)
a2_fuelavail	survey_com_vehchoice	bigint	Time to station in minutes
a2_fuelavail_loc	survey_com_vehchoice	bigint	Refueling location (categorical)
a2_incentive	survey_com_vehchoice	bigint	Vehicle purchase initiative (categorical)
a3_fuelavail	survey_com_vehchoice	bigint	Time to station in minutes
a3_fuelavail_loc	survey_com_vehchoice	bigint	Refueling location (categorical)
a3_incentive	survey_com_vehchoice	bigint	Vehicle purchase initiative (categorical)
a4_fuelavail	survey_com_vehchoice	bigint	Time to station in minutes
a4_fuelavail_loc	survey_com_vehchoice	bigint	Refueling location (categorical)
a4_incentive	survey_com_vehchoice	bigint	Vehicle purchase initiative (categorical)
additional_annual	survey_res_main	bigint	About how many miles per year do you expect this vehicle to be driven?
additional_make	survey_res_main	bigint	What make do you expect this vehicle to be? (categorical)
additional_mpg	survey_res_main	bigint	About how many miles per gallon (MPG or MPGe) do you expect this vehicle to get? (city/highway combined average)?
additional_newused	survey_res_main	bigint	Do you expect this vehicle to be new or used? (categorical)
additional_powertrain	survey_res_main	bigint	What type of engine/fuel type do you expect this vehicle to have? (categorical)
additional_price	survey_res_main	bigint	About how much do you plan on spending for this vehicle?
additional_primary_dr	survey_res_main	bigint	Who do you expect will be the primary driver of this vehicle? (categorical)
additional_type	survey_res_main	bigint	What type of vehicle do you expect to add to your household? (categorical)
additionalhome_fuel	survey_res_main	bigint	Do you expect to purchase home refueling equipment and/or upgrade your current house to be able to refuel this vehicle? 1 = Yes; 2 = No
additionalveh	survey_res_main	bigint	In total, how many vehicles do you plan to add to your household over the next 10 years? Range: 1 - 4, 5 = 5 or more vehicles
age	survey_res_households	bigint	Age (yrs)
alt1_accel	survey_com_vehchoice, survey_res_vehchoice	double precision	Acceleration to 60 mph in seconds
alt1_annmain	survey_res_vehchoice, survey_com_vehchoice	double precision	Annual maintenance cost
alt1_cpmile	survey_res_vehchoice, survey_com_vehchoice	double precision	Cost per mile
alt1_fuel	survey_com_vehchoice, survey_res_vehchoice	bigint	Vehicle fuel type (categorical)
alt1_fuelavail	survey_res_vehchoice	bigint	Time to station in minutes
alt1_fuelavail_loc	survey_res_vehchoice	bigint	Refueling location (categorical)
alt1_incentive	survey_res_vehchoice	bigint	Vehicle purchase initiative (categorical)

Column	Table	Data Type	Description
alt1_models	survey_com_vehchoice, survey_res_vehchoice	bigint	# of makes/models available
alt1_mpg	survey_res_vehchoice, survey_com_vehchoice	double precision	Miles per gallon equivalent
alt1_price	survey_res_vehchoice, survey_com_vehchoice	bigint	Vehicle price
alt1_range	survey_com_vehchoice, survey_res_vehchoice	bigint	Vehicle range in mpg or equivalent
alt1_refueltime	survey_com_vehchoice, survey_res_vehchoice	bigint	Refuel time in categories (categorical)
alt1_trunk	survey_com_vehchoice	double precision	Trunk/cargo space in cubic feet
alt1_trunk	survey_res_vehchoice	bigint	Trunk/cargo space in cubic feet
alt1_veh	survey_res_vehchoice, survey_com_vehchoice	bigint	Vehicle type (categorical)
alt1_year	survey_com_vehchoice, survey_res_vehchoice	bigint	Model Year
alt2_accel	survey_res_vehchoice, survey_com_vehchoice	double precision	Acceleration to 60 mph in seconds
alt2_annmain	survey_res_vehchoice	bigint	Annual maintenance cost
alt2_annmain	survey_com_vehchoice	double precision	Annual maintenance cost
alt2_cpmile	survey_com_vehchoice, survey_res_vehchoice	double precision	Cost per mile
alt2_fuel	survey_res_vehchoice	bigint	Vehicle fuel type (categorical)
alt2_fuel	survey_com_vehchoice	bigint	Vehicle fuel type (categorical)
alt2_fuelavail	survey_res_vehchoice	bigint	Time to station in minutes
alt2_fuelavail_loc	survey_res_vehchoice	bigint	Refueling location (categorical)
alt2_incentive	survey_res_vehchoice	bigint	Vehicle purchase initiative (categorical)
alt2_models	survey_com_vehchoice, survey_res_vehchoice	bigint	# of makes/models available
alt2_mpg	survey_com_vehchoice, survey_res_vehchoice	double precision	Miles per gallon equivalent
alt2_price	survey_com_vehchoice, survey_res_vehchoice	bigint	Vehicle price
alt2_range	survey_res_vehchoice, survey_com_vehchoice	bigint	Vehicle range in mpg or equivalent
alt2_refueltime	survey_res_vehchoice, survey_com_vehchoice	bigint	Refuel time in categories (categorical)
alt2_trunk	survey_res_vehchoice	bigint	Trunk/cargo space in cubic feet
alt2_trunk	survey_com_vehchoice	double precision	Trunk/cargo space in cubic feet
alt2_veh	survey_res_vehchoice, survey_com_vehchoice	bigint	Vehicle type (categorical)
alt2_year	survey_res_vehchoice, survey_com_vehchoice	bigint	Model Year
alt3_accel	survey_res_vehchoice, survey_com_vehchoice	double precision	Acceleration to 60 mph in seconds
alt3_annmain	survey_com_vehchoice	double precision	Annual maintenance cost
alt3_annmain	survey_res_vehchoice	bigint	Annual maintenance cost
alt3_cpmile	survey_res_vehchoice, survey_com_vehchoice	double precision	Cost per mile

Column	Table	Data Type	Description
alt3_fuel	survey_res_vehchoice	bigint	Vehicle fuel type (categorical)
alt3_fuel	survey_com_vehchoice	bigint	Vehicle fuel type (categorical)
alt3_fuelavail	survey_res_vehchoice	bigint	Time to station in minutes
alt3_fuelavail_loc	survey_res_vehchoice	bigint	Refueling location (categorical)
alt3_incentive	survey_res_vehchoice	bigint	Vehicle purchase initiative (categorical)
alt3_models	survey_res_vehchoice, survey_com_vehchoice	bigint	# of makes/models available
alt3_mpge	survey_res_vehchoice, survey_com_vehchoice	double precision	Miles per gallon equivalent
alt3_price	survey_res_vehchoice, survey_com_vehchoice	bigint	Vehicle price
alt3_range	survey_com_vehchoice, survey_res_vehchoice	bigint	Vehicle range in mpg or equivalent
alt3_refueltime	survey_com_vehchoice, survey_res_vehchoice	bigint	Refuel time in categories (categorical)
alt3_trunk	survey_res_vehchoice	bigint	Trunk/cargo space in cubic feet
alt3_trunk	survey_com_vehchoice	double precision	Trunk/cargo space in cubic feet
alt3_veh	survey_res_vehchoice, survey_com_vehchoice	bigint	Vehicle type (categorical)
alt3_year	survey_com_vehchoice, survey_res_vehchoice	bigint	Model Year
alt4_accel	survey_res_vehchoice, survey_com_vehchoice	double precision	Acceleration to 60 mph in seconds
alt4_annmain	survey_res_vehchoice	bigint	Annual maintenance cost
alt4_annmain	survey_com_vehchoice	double precision	Annual maintenance cost
alt4_cpmile	survey_com_vehchoice, survey_res_vehchoice	double precision	Cost per mile
alt4_fuel	survey_res_vehchoice	bigint	Vehicle fuel type (categorical)
alt4_fuel	survey_com_vehchoice	bigint	Vehicle fuel type (categorical)
alt4_fuelavail	survey_res_vehchoice	bigint	Time to station in minutes
alt4_fuelavail_loc	survey_res_vehchoice	bigint	Refueling location (categorical)
alt4_incentive	survey_res_vehchoice	bigint	Vehicle purchase initiative (categorical)
alt4_models	survey_com_vehchoice, survey_res_vehchoice	bigint	# of makes/models available
alt4_mpge	survey_com_vehchoice, survey_res_vehchoice	double precision	Miles per gallon equivalent
alt4_price	survey_com_vehchoice, survey_res_vehchoice	bigint	Vehicle price
alt4_range	survey_res_vehchoice, survey_com_vehchoice	bigint	Vehicle range in mpg or equivalent
alt4_refueltime	survey_res_vehchoice, survey_com_vehchoice	bigint	Refuel time in categories (categorical)
alt4_trunk	survey_com_vehchoice	double precision	Trunk/cargo space in cubic feet
alt4_trunk	survey_res_vehchoice	bigint	Trunk/cargo space in cubic feet
alt4_veh	survey_com_vehchoice, survey_res_vehchoice	bigint	Vehicle type (categorical)
alt4_year	survey_com_vehchoice, survey_res_vehchoice	bigint	Model Year

Column	Table	Data Type	Description
altconcerns1	survey_res_main	bigint	How important was the California state vehicle rebate (up to \$2,500) in making it possible for you to buy or lease your electric vehicle? (categorical: ordinal)
altconcerns2	survey_res_main	bigint	How important were the federal tax incentives (up to \$7,500) in making it possible for you to buy or lease your electric vehicle? (categorical: ordinal)
altconcerns3	survey_res_main	bigint	How important were manufacturer or dealer incentives (e.g. low interest rate, cash back) in making it possible for you to buy or lease your electric vehicle? (categorical: ordinal)
altconcerns4	survey_res_main	bigint	How important were attractive lease terms in making it possible for you to buy or lease your electric vehicle? (categorical: ordinal)
altconcerns5	survey_res_main	bigint	How important were parking incentives (employer, business, or government) in making it possible for you to buy or lease your electric vehicle? (categorical: ordinal)
altconcerns6	survey_res_main	bigint	How important were special electricity rates for charging in making it possible for you to buy or lease your electric vehicle? (categorical: ordinal)
altconcerns7	survey_res_main	bigint	How important was having free charging locations available in making it possible for you to buy or lease your electric vehicle? (categorical: ordinal)
altconcerns8	survey_res_main	bigint	How important was the availability of carshare/ car rental as part of purchase in making it possible for you to buy or lease your electric vehicle? (categorical: ordinal)
altconcerns9	survey_res_main	bigint	How important was HOV lane access in making it possible for you to buy or lease your electric vehicle? (categorical: ordinal)
annual_mileage	survey_res_currentvehs	bigint	Miles/year the vehicle is driven
autoagree1	survey_res_main	bigint	I would consider purchasing a vehicle that has automated driver assistance capabilities, such as smart/adaptive cruise control, self-parking, vehicle to vehicle communication, etc. (categorical: ordinal)
autoagree2	survey_res_main	bigint	I would consider purchasing a vehicle that is fully self-driving (categorical: ordinal)
autoagree3	survey_res_main	bigint	Self-driving vehicles will become successful mainstream vehicles in the future (categorical: ordinal)
autoagree4	survey_res_main	bigint	I am concerned about the safety of self-driving vehicles (categorical: ordinal)
b02_decisionmaker	survey_com_main	bigint	Are you the person that is most knowledgeable about all of the vehicles used and purchased for your company at this location?: 1 = Yes, 2 = No
b04_orgtype	survey_com_main	bigint	For-profit vs. not-for-profit organizations represented: 1 = For-profit, 2 = Not for-profit
bevconcerns1	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Too expensive - 0 = Not selected; 1 = Selected
bevconcerns10	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Time to charge the battery - 0 = Not selected; 1 = Selected
bevconcerns11	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Uncertain resale value - 0 = Not selected; 1 = Selected

Column	Table	Data Type	Description
bevconcerns12	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Technology is still too new/unreliable - 0 = Not selected; 1 = Selected
bevconcerns13	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Fear of getting stranded - 0 = Not selected; 1 = Selected
bevconcerns14	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Other - 0 = Not selected; 1 = Selected
bevconcerns15	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: I don't have any concerns - 0 = Not selected; 1 = Selected
bevconcerns16	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: I don't know enough about this technology - 0 = Not selected; 1 = Selected
bevconcerns2	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Limited driving range on the electric battery - 0 = Not selected; 1 = Selected
bevconcerns3	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Limited seating capacity - 0 = Not selected; 1 = Selected
bevconcerns4	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Limited hauling capacity - 0 = Not selected; 1 = Selected
bevconcerns5	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Limited vehicle body/styling of vehicle - 0 = Not selected; 1 = Selected
bevconcerns6	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Battery life uncertainty- 0 = Not selected; 1 = Selected
bevconcerns7	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Uncertain gasoline/electricity price - 0 = Not selected; 1 = Selected
bevconcerns8	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Cost of installing charging equipment for your home - 0 = Not selected; 1 = Selected
bevconcerns9	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Lack of charging facilities - 0 = Not selected; 1 = Selected
bevconcerns_x	survey_res_main	text	What are your top five concerns about purchasing/leasing an electric only vehicle?: Other, specified - 0 = Not selected; 1 = Selected
c06_biztype	survey_com_main	text	How would you describe the type of business activity or industry associated with your company?
c07_title	survey_com_main	text	What is your title or role in the company?
c08_callocations	survey_com_main	bigint	About how many business locations, in total, does your company have in California?
c09_totallocations	survey_com_main	bigint	How many business locations, in total, does your company have in other U.S. states (not including California)?

Column	Table	Data Type	Description
carshare	survey_res_main	bigint	What is your level of participation in car-share programs where you can rent/access a car for short periods of time? (categorical)
chargefreq	survey_res_main	bigint	How often do you typically plug in your vehicle to charge? (categorical)
choice	survey_com_vehchoice, survey_res_vehchoice	bigint	Vehicle choice: alternative 1-4
city	survey_res_main	text	City (if known)
commutedist	survey_res_households	bigint	[If leaves home to travel to work] Miles to primary workplace (one way)
commutework	survey_res_households	bigint	[If employed] Does this person leave home to travel to work? 1 = Yes; 2 = No
companyparking1	survey_com_main	bigint	What kinds of dedicated parking does your company have access to at your work address?: Surface parking lot - 0 = Not selected; 1 = Selected
companyparking2	survey_com_main	bigint	What kinds of dedicated parking does your company have access to at your work address?: Parking garage - 0 = Not selected; 1 = Selected
companyparking3	survey_com_main	bigint	What kinds of dedicated parking does your company have access to at your work address?: On-street parking - 0 = Not selected; 1 = Selected
companyparking4	survey_com_main	bigint	What kinds of dedicated parking does your company have access to at your work address?: Paid parking - 0 = Not selected; 1 = Selected
companyparking5	survey_com_main	bigint	What kinds of dedicated parking does your company have access to at your work address?: None - 0 = Not selected; 1 = Selected
companyparktime	survey_com_main	bigint	Unit of time for parking payment (categorical)
companyvehicles	survey_res_main	bigint	Do you, or does any member of your household, have access to a company or employer supplied vehicle for personal use? 1 = Yes; 2 = No
consideralt1	survey_res_main	bigint	Have you purchased or considered purchasing any of the following vehicle types for your household?: Hybrid - 0 = Not selected; 1 = Selected
consideralt2	survey_res_main	bigint	Have you purchased or considered purchasing any of the following vehicle types for your household?: Plug-in Hybrid - 0 = Not selected; 1 = Selected
consideralt3	survey_res_main	bigint	Have you purchased or considered purchasing any of the following vehicle types for your household?: Diesel - 0 = Not selected; 1 = Selected
consideralt4	survey_res_main	bigint	Have you purchased or considered purchasing any of the following vehicle types for your household?: Natural Gas (CNG or LNG) - 0 = Not selected; 1 = Selected
consideralt5	survey_res_main	bigint	Have you purchased or considered purchasing any of the following vehicle types for your household?: Propane - 0 = Not selected; 1 = Selected
consideralt6	survey_res_main	bigint	Have you purchased or considered purchasing any of the following vehicle types for your household?: Fuel Cell (Hydrogen) - 0 = Not selected; 1 = Selected
consideralt7	survey_res_main	bigint	Have you purchased or considered purchasing any of the following vehicle types for your household?: Full Battery Electric - 0 = Not selected; 1 = Selected



Column	Table	Data Type	Description
consideralt8	survey_res_main	bigint	Have you purchased or considered purchasing any of the following vehicle types for your household?: None of the above - 0 = Not selected; 1 = Selected
county	survey_res_main	bigint	What county do you currently live in? (categorical)
current_mileage	survey_res_currentvehs	bigint	What is the mileage on odometer today?
d10_purchase10years1	survey_com_main	bigint	How many total light-duty vehicles (cars, SUVs, crossovers, pickup trucks and vans) has your company purchased new at your location over the last 10 years?
d10_purchase10years2	survey_com_main	bigint	How many total light-duty vehicles (cars, SUVs, crossovers, pickup trucks and vans) has your company purchased used at your location over the last 10 years?
d10_purchase10years3	survey_com_main	bigint	How many total light-duty vehicles (cars, SUVs, crossovers, pickup trucks and vans) has your company leased at your location over the last 10 years?
d11_numlight1	survey_com_main	bigint	How many light-duty commercial cars does your company have registered for business purposes at least 50% of the time at your work address?
d11_numlight2	survey_com_main	bigint	How many light-duty commercial SUV/ crossovers does your company have registered for business purposes at least 50% of the time at your work address?
d11_numlight3	survey_com_main	bigint	How many light-duty commercial vans/minivans does your company have registered for business purposes at least 50% of the time at your work address?
d11_numlight4	survey_com_main	bigint	How many light-duty commercial pickup trucks does your company have registered for business purposes at least 50% of the time at your work address?
d11_numlighttotal	survey_com_main	bigint	How many total light-duty commercial vehicles does your company have registered for business purposes at least 50% of the time at your work address?
d13_numalt1	survey_com_main	bigint	How many gasoline vehicles does your company own or lease at your work address?
d13_numalt2	survey_com_main	bigint	How many hybrid (gasoline) vehicles does your company own or lease at your work address?
d13_numalt3	survey_com_main	bigint	How many Plug-in Hybrid Electric Vehicles (PHEV) does your company own or lease at your work address?
d13_numalt4	survey_com_main	bigint	How many gasoline - ethanol Flex Fuel Vehicles (E85 FFV) does your company own or lease at your work address?
d13_numalt5	survey_com_main	bigint	How many diesel vehicles does your company own or lease at your work address?
d13_numalt6	survey_com_main	bigint	How many Compressed Natural Gas (CNG) does your company own or lease at your work address?
d13_numalt7	survey_com_main	bigint	How many full electric vehicles does your company own or lease at your work address?
d13_numalt8	survey_com_main	bigint	How many hydrogen vehicles does your company own or lease at your work address?
d13_numalttotal	survey_com_main	bigint	How many total vehicles does your company own or lease at your work address?

Column	Table	Data Type	Description
d15_purchintent	survey_com_main	bigint	When do you think you may purchase or lease one or more light-duty vehicles that will be company-owned/leased and/or used for business purposes in California at least 50% of the time? (categorical)
d16_modelyear	survey_com_currentvehs	bigint	Vehicle model year
d16_vehfueltype	survey_com_currentvehs	bigint	Vehicle engine/fuel type (categorical)
d16_vehmake	survey_com_currentvehs	bigint	Vehicle make (categorical)
d16_vehmakeoth	survey_com_currentvehs	text	Other vehicle make, specified
d16_vehtype	survey_com_currentvehs	bigint	Vehicle type (categorical)
d18_annual_mileage	survey_com_currentvehs	bigint	Miles/year the vehicle is driven
d18_currentuse	survey_com_currentvehs	bigint	What is this vehicle primarily used for? (categorical)
d18_dispose	survey_com_currentvehs	bigint	[Unless planning to keep indefinitely] How will you dispose of this vehicle? (categorical)
d18_how_acquired	survey_com_currentvehs	bigint	How was this vehicle acquired by your company? (categorical)
d18_mpg	survey_com_currentvehs	bigint	MPG or MPGe
d18_replace_time	survey_com_currentvehs	bigint	When do you expect to replace this vehicle? (categorical)
d18_replacement	survey_com_currentvehs	bigint	Was this vehicle a replacement for a previous vehicle in your company? (categorical)
d18_season_acquired	survey_com_currentvehs	bigint	What time of year was this vehicle acquired? (categorical)
d18_year_acquired	survey_com_currentvehs	bigint	What year was this vehicle acquired?
dispose	survey_res_currentvehs	bigint	How will you dispose of this vehicle? (categorical)
drivingfreq	survey_res_households	bigint	How often does this person drive? (categorical: ordinal)
e19_add_replace	survey_com_main	bigint	Will the next vehicle your company plans on acquiring be an addition to your fleet or a replacement? (categorical)
e19_new_used	survey_com_main	bigint	Will the next vehicle your company plans on acquiring most likely be...? (categorical: ordinal)
e19_next_annual_miles	survey_com_main	bigint	About how many miles per year do you expect your companys next vehicle to be driven?
e19_next_charge_time	survey_com_main	bigint	[If planning on PHEV or BEV powertrain] In hours, how much time do you expect it would take to fully charge your companys next vehicle?
e19_next_make	survey_com_main	bigint	What make is the next vehicle your company acquires most likely to be? (categorical)
e19_next_mpg	survey_com_main	bigint	About how many miles per gallon (MPG or MPGe) do you expect your companys next vehicle to get, on average? (city/highway combined average)
e19_next_powertrain	survey_com_main	bigint	What type of engine/fuel type is the next vehicle your company acquires most likely to have? (categorical)
e19_next_price	survey_com_main	bigint	About how much money do you expect the company will spend to purchase/lease its next vehicle?
e19_next_veh_type	survey_com_main	bigint	What type of vehicle is your company most likely to purchase or lease next? (categorical)
e19_purchase_lease	survey_com_main	bigint	Will the next vehicle your company plans on acquiring most likely be purchased or leased? (categorical)

Column	Table	Data Type	Description
education	survey_res_households	bigint	Highest level of education completed (categorical: ordinal)
employment	survey_res_households	bigint	Employment status (categorical)
enrolled	survey_res_households	bigint	Currently enrolled in college/university? (categorical)
ethnic_oth	survey_res_households	text	Ethnicity, specified
ethnicity	survey_res_households	bigint	Ethnic background (categorical)
f20_refuelingcurrent1	survey_com_main	bigint	Does your company currently have any of the following at your work address?: Solar panels - 0 = Not selected, 1 = Selected
f20_refuelingcurrent2	survey_com_main	bigint	Does your company currently have any of the following at your work address?: Wind tower/turbine - 0 = Not selected, 1 = Selected
f20_refuelingcurrent3	survey_com_main	bigint	Does your company currently have any of the following at your work address?: 240 volt level II charger - 0 = Not selected, 1 = Selected
f20_refuelingcurrent4	survey_com_main	bigint	Does your company currently have any of the following at your work address?: DC fast charger - 0 = Not selected, 1 = Selected
f20_refuelingcurrent5	survey_com_main	bigint	Does your company currently have any of the following at your work address?: E85 fueling capabilities - 0 = Not selected, 1 = Selected
f20_refuelingcurrent6	survey_com_main	bigint	Does your company currently have any of the following at your work address?: Compressed natural gas fueling capabilities - 0 = Not selected, 1 = Selected
f20_refuelingcurrent7	survey_com_main	bigint	Does your company currently have any of the following at your work address?: Diesel fueling capabilities - 0 = Not selected, 1 = Selected
f20_refuelingcurrent8	survey_com_main	bigint	Does your company currently have any of the following at your work address?: Gasoline fueling capabilities - 0 = Not selected, 1 = Selected
f20_refuelingcurrent9	survey_com_main	bigint	Does your company currently have any of the following at your work address? None of the above - 0 = Not selected, 1 = Selected
f21_refuelingfuture1	survey_com_main	bigint	Does your company plan on purchasing/installing any of the following in the next 5 years for use at your work address?: Solar panels - 0 = Not selected, 1 = Selected
f21_refuelingfuture2	survey_com_main	bigint	Does your company plan on purchasing/installing any of the following in the next 5 years for use at your work address?: Wind tower/turbine - 0 = Not selected, 1 = Selected
f21_refuelingfuture3	survey_com_main	bigint	Does your company plan on purchasing/installing any of the following in the next 5 years for use at your work address?: 240 volt level II charger - 0 = Not selected, 1 = Selected
f21_refuelingfuture4	survey_com_main	bigint	Does your company plan on purchasing/installing any of the following in the next 5 years for use at your work address?: DC fast charger - 0 = Not selected, 1 = Selected
f21_refuelingfuture5	survey_com_main	bigint	Does your company plan on purchasing/installing any of the following in the next 5 years for use at your work address?: E85 fueling capabilities - 0 = Not selected, 1 = Selected
f21_refuelingfuture6	survey_com_main	bigint	Does your company plan on purchasing/installing any of the following in the next 5 years for use at your work address?: Compressed natural gas fueling capabilities - 0 = Not selected, 1 = Selected

Column	Table	Data Type	Description
f21_refuelingfuture7	survey_com_main	bigint	Does your company plan on purchasing/ installing any of the following in the next 5 years for use at your work address?: Diesel fueling capabilities - 0 = Not selected, 1 = Selected
f21_refuelingfuture8	survey_com_main	bigint	Does your company plan on purchasing/ installing any of the following in the next 5 years for use at your work address?: Gasoline fueling capabilities - 0 = Not selected, 1 = Selected
f21_refuelingfuture9	survey_com_main	bigint	Does your company plan on purchasing/ installing any of the following in the next 5 years for use at your work address?: None of the above - 0 = Not selected, 1 = Selected
f22_refuelingfuturecost1	survey_com_main	bigint	How much do you anticipate paying for the installation for the following? (in dollars): Solar panels
f22_refuelingfuturecost2	survey_com_main	bigint	How much do you anticipate paying for the installation for the following? (in dollars): Wind tower/turbine
f22_refuelingfuturecost3	survey_com_main	bigint	How much do you anticipate paying for the installation for the following? (in dollars): 240 volt level II charger
f22_refuelingfuturecost4	survey_com_main	bigint	How much do you anticipate paying for the installation for the following? (in dollars): DC fast charger
f22_refuelingfuturecost5	survey_com_main	bigint	How much do you anticipate paying for the installation for the following? (in dollars): E85 fueling capabilities
f22_refuelingfuturecost6	survey_com_main	bigint	How much do you anticipate paying for the installation for the following? (in dollars): Compressed natural gas fueling capabilities
f22_refuelingfuturecost7	survey_com_main	bigint	How much do you anticipate paying for the installation for the following? (in dollars): Diesel fueling capabilities
f22_refuelingfuturecost8	survey_com_main	bigint	How much do you anticipate paying for the installation for the following? (in dollars): Gasoline fueling capabilities
fcvconcerns1	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Too expensive - 0 = Not selected; 1 = Selected
fcvconcerns10	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Technology is still too new/unreliable - 0 = Not selected; 1 = Selected
fcvconcerns11	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Other - 0 = Not selected; 1 = Selected
fcvconcerns12	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: I dont have any concerns - 0 = Not selected; 1 = Selected
fcvconcerns13	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: I dont know enough about this technology - 0 = Not selected; 1 = Selected
fcvconcerns2	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Limited seating capacity - 0 = Not selected; 1 = Selected
fcvconcerns3	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Limited hauling capacity - 0 = Not selected; 1 = Selected

Column	Table	Data Type	Description
fcvconcerns4	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Limited vehicle body/styling of vehicle - 0 = Not selected; 1 = Selected
fcvconcerns5	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Safety of hydrogen tank - 0 = Not selected; 1 = Selected
fcvconcerns6	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Uncertain hydrogen price - 0 = Not selected; 1 = Selected
fcvconcerns7	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Cost of installing fueling equipment for your home - 0 = Not selected; 1 = Selected
fcvconcerns8	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Lack of fueling infrastructure outside your home - 0 = Not selected; 1 = Selected
fcvconcerns9	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Uncertain resale value for vehicle - 0 = Not selected; 1 = Selected
fcvconcerns_x	survey_res_main	text	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle?: Others, specified - 0 = Not selected; 1 = Selected
futureaddition	survey_res_main	bigint	Do you anticipate purchasing or leasing an ADDITIONAL car, SUV, van, or pick-up truck for your household? (categorical)
futureadditioncatch	survey_res_main	bigint	When do you anticipate purchasing or leasing the ADDITIONAL car, SUV, van, or pick-up truck for your household? (categorical)
futuredecisionrole	survey_res_main	bigint	For your household, what will be the extent of your involvement in future vehicle purchase or lease decisions? (categorical)
futurefirst	survey_res_main	bigint	When do you anticipate purchasing or leasing a car, SUV, van, or pick-up truck in your household? (categorical: ordinal)
futuremileage	survey_res_main	double precision	The current price of a gallon of regular gasoline in the State of California is about \$2.80. How much do you think gas will cost, per gallon, in 5 years? (in dollars)
g23_autonomousagree1	survey_com_main	bigint	My company would consider purchasing vehicles that have automated driver assistance capabilities, such as smart/adaptive cruise control, self-parking, vehicle to vehicle communication, etc. (categorical: ordinal)
g23_autonomousagree2	survey_com_main	bigint	My company would consider purchasing vehicles that are fully self-driving (i.e. autonomous vehicles that drive themselves) (categorical: ordinal)
g23_autonomousagree3	survey_com_main	bigint	Self-driving or autonomous vehicles will become successful mainstream vehicles in the future (categorical: ordinal)
g23_autonomousagree4	survey_com_main	bigint	Self-driving or autonomous vehicles would be beneficial to our business (categorical: ordinal)
g24_consideralt1	survey_com_main	bigint	Has your company considered purchasing any of the following vehicle types?: Gasoline - 0 = Not selected; 1 = Selected
g24_consideralt10	survey_com_main	bigint	Has your company considered purchasing any of the following vehicle types?: Hydrogen vehicle - 0 = Not selected; 1 = Selected

Column	Table	Data Type	Description
g24_consideralt1	survey_com_main	bigint	Has your company considered purchasing any of the following vehicle types?: None of these - 0 = Not selected; 1 = Selected
g24_consideralt2	survey_com_main	bigint	Has your company considered purchasing any of the following vehicle types?: Hybrid (Gasoline) - 0 = Not selected; 1 = Selected
g24_consideralt3	survey_com_main	bigint	Has your company considered purchasing any of the following vehicle types?: Plug-in Hybrid Electric vehicle (PHEV) - 0 = Not selected; 1 = Selected
g24_consideralt4	survey_com_main	bigint	Has your company considered purchasing any of the following vehicle types?: Gasoline – ethanol Flex Fuel vehicle (E85 FFV) - 0 = Not selected; 1 = Selected
g24_consideralt5	survey_com_main	bigint	Has your company considered purchasing any of the following vehicle types?: Diesel - 0 = Not selected; 1 = Selected
g24_consideralt7	survey_com_main	bigint	Has your company considered purchasing any of the following vehicle types?: Compressed Natural Gas (CNG) vehicle - 0 = Not selected; 1 = Selected
g24_consideralt9	survey_com_main	bigint	Has your company considered purchasing any of the following vehicle types?: Full electric vehicle - 0 = Not selected; 1 = Selected
g25_bevconcerns1	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Too expensive - 0 = Not selected; 1 = Selected
g25_bevconcerns10	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Time to charge the battery - 0 = Not selected; 1 = Selected
g25_bevconcerns11	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Uncertain resale value - 0 = Not selected; 1 = Selected
g25_bevconcerns12	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Technology is still too new/unreliable - 0 = Not selected; 1 = Selected
g25_bevconcerns13	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Fear of getting stranded on a job or route - 0 = Not selected; 1 = Selected
g25_bevconcerns14	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Other - 0 = Not selected; 1 = Selected
g25_bevconcerns15	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: I dont have any concerns - 0 = Not selected; 1 = Selected
g25_bevconcerns16	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: I dont know enough about this technology - 0 = Not selected; 1 = Selected
g25_bevconcerns2	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Limited driving range on the electric battery - 0 = Not selected; 1 = Selected
g25_bevconcerns3	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Limited seating capacity - 0 = Not selected; 1 = Selected

Column	Table	Data Type	Description
g25_bevconcerns4	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Limited hauling capacity - 0 = Not selected; 1 = Selected
g25_bevconcerns5	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Limited vehicle body/styling of vehicle - 0 = Not selected; 1 = Selected
g25_bevconcerns6	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Battery life uncertainty - 0 = Not selected; 1 = Selected
g25_bevconcerns7	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Uncertain gasoline/electricity price - 0 = Not selected; 1 = Selected
g25_bevconcerns8	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Cost of installing chargin infrastructure - 0 = Not selected; 1 = Selected
g25_bevconcerns9	survey_com_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Lack of charging infrastructure outside the company - 0 = Not selected; 1 = Selected
g25_bevconcerns_x	survey_com_main	text	What are your top five concerns about purchasing/leasing an electric only vehicle for use at your company?: Other, specified
g26_phevconcerns1	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Too expensive - 0 = Not selected; 1 = Selected
g26_phevconcerns10	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Uncertain resale value - 0 = Not selected; 1 = Selected
g26_phevconcerns11	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Technology is still too new/unreliable - 0 = Not selected; 1 = Selected
g26_phevconcerns12	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Other - 0 = Not selected; 1 = Selected
g26_phevconcerns13	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: I don't have any concerns - 0 = Not selected; 1 = Selected
g26_phevconcerns14	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: I don't know enough about this technology - 0 = Not selected; 1 = Selected
g26_phevconcerns2	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Limited seating capacity - 0 = Not selected; 1 = Selected
g26_phevconcerns3	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Limited hauling capacity - 0 = Not selected; 1 = Selected

Column	Table	Data Type	Description
g26_phevconcerns4	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Limited vehicle body/styling of vehicle - 0 = Not selected; 1 = Selected
g26_phevconcerns5	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Battery life uncertainty - 0 = Not selected; 1 = Selected
g26_phevconcerns6	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Uncertain gasoline/electricity price - 0 = Not selected; 1 = Selected
g26_phevconcerns7	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Cost of installing charging infrastructure - 0 = Not selected; 1 = Selected
g26_phevconcerns8	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Lack of charging infrastructure outside the company - 0 = Not selected; 1 = Selected
g26_phevconcerns9	survey_com_main	bigint	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Time to charge the battery - 0 = Not selected; 1 = Selected
g26_phevconcerns_x	survey_com_main	text	What are your top five concerns about purchasing/leasing plug-in hybrid electric vehicles (PHEV) for use at your company?: Other, specified - 0 = Not selected; 1 = Selected
g27_fcvconcerns1	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Too expensive - 0 = Not selected; 1 = Selected
g27_fcvconcerns10	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Technology is still too new/unreliable - 0 = Not selected; 1 = Selected
g27_fcvconcerns11	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Other - 0 = Not selected; 1 = Selected
g27_fcvconcerns12	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: I don't have any concerns - 0 = Not selected; 1 = Selected
g27_fcvconcerns13	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: I don't know enough about this technology - 0 = Not selected; 1 = Selected
g27_fcvconcerns2	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Limited seating capacity - 0 = Not selected; 1 = Selected
g27_fcvconcerns3	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Limited hauling capacity - 0 = Not selected; 1 = Selected
g27_fcvconcerns4	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Limited vehicle body/styling of vehicle - 0 = Not selected; 1 = Selected



Column	Table	Data Type	Description
g27_fcvconcerns5	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Safety of hydrogen tank - 0 = Not selected; 1 = Selected
g27_fcvconcerns6	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Uncertain hydrogen price - 0 = Not selected; 1 = Selected
g27_fcvconcerns7	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Cost of installing fueling equipment at your work location - 0 = Not selected; 1 = Selected
g27_fcvconcerns8	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Lack of fueling infrastructure outside your work location - 0 = Not selected; 1 = Selected
g27_fcvconcerns9	survey_com_main	bigint	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Uncertain resale value for vehicle - 0 = Not selected; 1 = Selected
g27_fcvconcerns_x	survey_com_main	text	What are your top five concerns about purchasing/leasing a hydrogen fuel cell vehicle for use at your company?: Other, specified
gender	survey_res_households	bigint	Gender (categorical)
group	survey_com_main	bigint	NAICS grouping (categorical)
h28_services1	survey_com_main	bigint	In the past year, how frequently has your company used rental vehicles at your work address? (categorical: ordinal)
h28_services2	survey_com_main	bigint	In the past year, how frequently has your company used courier service at your work address? (categorical: ordinal)
h28_services3	survey_com_main	bigint	In the past year, how frequently has your company used contract delivery service at your work address? (categorical: ordinal)
h28_services4	survey_com_main	bigint	In the past year, how frequently has your company used taxi service (including Uber/Lyft) at your work address? (categorical: ordinal)
h29_employeenum	survey_com_main	bigint	How many employees are there at your work address? (Including all shifts and all employees that work off-site but are based at this address)
h31_futuregas	survey_com_main	double precision	The current price of a gallon of regular gasoline in the State of California is about \$2.80. How much do you think gas will cost, per gallon, in 5 years? (in dollars)
home_fuel	survey_res_main	bigint	Do you expect to purchase home refueling equipment and/or upgrade your current house to be able to refuel this vehicle? 1 = Yes; 2 = No
homeinstall	survey_res_main	bigint	Did you purchase home refueling equipment and/or upgrade your current house to be able to charge your vehicle?: 1 = Yes; 2 = No
householdmembers1	survey_res_main	bigint	Household members under the age of 5
householdmembers2	survey_res_main	bigint	Household members between the ages of 5 to 11
householdmembers3	survey_res_main	bigint	Household members between the ages of 12 to 15
householdmembers4	survey_res_main	bigint	Household members 16 or older (including yourself)
householdmembers5	survey_res_main	bigint	Total Household Members

Column	Table	Data Type	Description
householdvehicles	survey_res_main	bigint	How many vehicles do you or any member of your household currently own or lease?
housing	survey_res_main	bigint	What type of housing do you live at? (categorical)
how_acquired	survey_res_currentvehs	bigint	How was this vehicle acquired by your company? (categorical)
income	survey_res_main	bigint	Annual household income (categorical: ordinal)
installcost1	survey_res_main	double precision	Cost to you for home charging capabilities (either by purchasing home equipment or by upgrading your home)
installcost2	survey_res_main	bigint	Subsidy or other assistance used for home charging capabilities (either by purchasing home equipment or by upgrading your home)
language	survey_res_main	bigint	Language (categorical)
modeleyear	survey_res_currentvehs	bigint	Vehicle model year
mpg	survey_res_currentvehs	bigint	MPG or MPGe
naics	survey_com_main	bigint	NAICS code associated with company (categorical)
other_drivers	survey_res_currentvehs	bigint	How often is this vehicle driven by other members of the household? (categorical)
parkamt	survey_res_main	double precision	Amount paid to park
parkamt	survey_com_main	text	Paid parking amount (in dollars)
parkingpay	survey_res_main	bigint	Do you pay to park at your residence? 1 = Yes; 2 = No
parkingtype	survey_res_main	bigint	What type of parking do you primarily use at your residence? (categorical)
parkperiod	survey_res_main	bigint	Length of time for each parking payment (categorical)
perno	survey_res_households	bigint	Person number
pev01_whyphhev1	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Saving money on fuel costs - 0 = Not selected, 1 = Selected
pev01_whyphhev10	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Politics of fossil fuels - 0 = Not selected, 1 = Selected
pev01_whyphhev11	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Convenience of charging at home or work - 0 = Not selected, 1 = Selected
pev01_whyphhev12	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Free charging at work or away from home - 0 = Not selected, 1 = Selected
pev01_whyphhev13	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Special/ low EV electricity rate at home - 0 = Not selected, 1 = Selected
pev01_whyphhev14	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Vehicle performance - 0 = Not selected, 1 = Selected

Column	Table	Data Type	Description
pev01_whyphhev15	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Vehicle styling, finish and comfort - 0 = Not selected, 1 = Selected
pev01_whyphhev16	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: A desire for the newest technology - 0 = Not selected, 1 = Selected
pev01_whyphhev17	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Brand name - 0 = Not selected, 1 = Selected
pev01_whyphhev18	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Other - 0 = Not selected, 1 = Selected
pev01_whyphhev2	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Saving money overall - 0 = Not selected, 1 = Selected
pev01_whyphhev3	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Good lease terms & options - 0 = Not selected, 1 = Selected
pev01_whyphhev4	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Reducing environmental impacts - 0 = Not selected, 1 = Selected
pev01_whyphhev5	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Carpool or High Occupancy Vehicle (HOV) lane access - 0 = Not selected, 1 = Selected
pev01_whyphhev6	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Free or privileged parking space - 0 = Not selected, 1 = Selected
pev01_whyphhev7	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Better finance/interest rate - 0 = Not selected, 1 = Selected
pev01_whyphhev8	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Manufacturer or dealer cash back - 0 = Not selected, 1 = Selected
pev01_whyphhev9	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Insurance discount - 0 = Not selected, 1 = Selected
pev01_whyphhev_x	survey_com_main	text	Which of the following factors were the most important reasons why your company decided to purchase a plug-in hybrid vehicle?: Other, specified
pev02_whybev1	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Saving money on fuel costs - 0 = Not selected, 1 = Selected
pev02_whybev10	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Politics of fossil fuels - 0 = Not selected, 1 = Selected

Column	Table	Data Type	Description
pev02_whybev11	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Convenience of charging at home or work - 0 = Not selected, 1 = Selected
pev02_whybev12	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Free charging at work or away from home - 0 = Not selected, 1 = Selected
pev02_whybev13	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Special/low EV electricity rate at home - 0 = Not selected, 1 = Selected
pev02_whybev14	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Vehicle performance - 0 = Not selected, 1 = Selected
pev02_whybev15	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Vehicle styling, finish and comfort - 0 = Not selected, 1 = Selected
pev02_whybev16	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: A desire for the newest technology - 0 = Not selected, 1 = Selected
pev02_whybev17	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Brand name - 0 = Not selected, 1 = Selected
pev02_whybev18	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Other - 0 = Not selected, 1 = Selected
pev02_whybev2	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Saving money overall - 0 = Not selected, 1 = Selected
pev02_whybev3	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Good lease terms & options - 0 = Not selected, 1 = Selected
pev02_whybev4	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Reducing environmental impacts - 0 = Not selected, 1 = Selected
pev02_whybev5	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Carpool or High Occupancy Vehicle (HOV) lane access - 0 = Not selected, 1 = Selected
pev02_whybev6	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Free or privileged parking space - 0 = Not selected, 1 = Selected
pev02_whybev7	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Better finance/interest rate - 0 = Not selected, 1 = Selected

Column	Table	Data Type	Description
pev02_whybev8	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Manufacturer or dealer cash back - 0 = Not selected, 1 = Selected
pev02_whybev9	survey_com_main	bigint	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Insurance discount - 0 = Not selected, 1 = Selected
pev02_whybev_x	survey_com_main	text	Which of the following factors were the most important reasons why your company decided to purchase a full electric vehicle?: Other, specified
pev03_altconcerns1	survey_com_main	bigint	How important was the California state vehicle rebate (up to \$2,500) in making it possible for your company to acquire this clean vehicle? (categorical: ordinal)
pev03_altconcerns2	survey_com_main	bigint	How important were federal tax incentives (up to \$7,500) in making it possible for your company to acquire this clean vehicle? (categorical: ordinal)
pev03_altconcerns3	survey_com_main	bigint	How important were manufacturer or dealer incentives (e.g. low interest rate, cash back) in making it possible for your company to acquire this clean vehicle? (categorical: ordinal)
pev03_altconcerns4	survey_com_main	bigint	How important were parking incentives (employer, business, or government) in making it possible for your company to acquire this clean vehicle? (categorical: ordinal)
pev03_altconcerns5	survey_com_main	bigint	How important were special electricity rates for charging in making it possible for your company to acquire this clean vehicle? (categorical: ordinal)
pev03_altconcerns6	survey_com_main	bigint	How important was having free charging away from home in making it possible for your company to acquire this clean vehicle? (categorical: ordinal)
pev03_altconcerns7	survey_com_main	bigint	How important was availability of carshare/car rental as part of purchase in making it possible for your company to acquire this clean vehicle? (categorical: ordinal)
pev03_altconcerns8	survey_com_main	bigint	How important was HOV lane access in making it possible for your company to acquire this clean vehicle? (categorical: ordinal)
pev04_refuelinstall	survey_com_main	bigint	Has your company purchased charging equipment and/or upgrades to be able to recharge vehicles?: 1 = Yes, 2 = No
pev05_installcost1	survey_com_main	bigint	Cost to company (in dollars)
pev05_installcost2	survey_com_main	bigint	Subsidy or other assistance used (in dollars)
pev06_chargefrequency	survey_com_main	bigint	How often do you typically plug in this vehicle to charge? (categorical: ordinal)
pev07_chargemorning1	survey_com_main, survey_res_main	bigint	On a typical weekday morning, when and where do you typically charge your vehicle?: 6:00am - 7:00am (categorical)
pev07_chargemorning2	survey_com_main, survey_res_main	bigint	On a typical weekday morning, when and where do you typically charge your vehicle?: 7:00am - 8:00am (categorical)
pev07_chargemorning3	survey_com_main, survey_res_main	bigint	On a typical weekday morning, when and where do you typically charge your vehicle?: 8:00am - 9:00am (categorical)
pev07_chargemorning4	survey_com_main, survey_res_main	bigint	On a typical weekday morning, when and where do you typically charge your vehicle?: 9:00am - 10:00am (categorical)

Column	Table	Data Type	Description
pev07_chargemorning5	survey_com_main, survey_res_main	bigint	On a typical weekday morning, when and where do you typically charge your vehicle?: 10:00am - 11:00am (categorical)
pev07_chargemorning6	survey_com_main, survey_res_main	bigint	On a typical weekday morning, when and where do you typically charge your vehicle?: 11:00am - 12:00pm (categorical)
pev08_chargeafternoon1	survey_com_main, survey_res_main	bigint	On a typical weekday afternoon, when and where do you typically charge your vehicle?: 12:00pm - 1:00pm (categorical)
pev08_chargeafternoon2	survey_com_main, survey_res_main	bigint	On a typical weekday afternoon, when and where do you typically charge your vehicle?: 1:00pm - 2:00pm (categorical)
pev08_chargeafternoon3	survey_com_main, survey_res_main	bigint	On a typical weekday afternoon, when and where do you typically charge your vehicle?: 2:00pm - 3:00pm (categorical)
pev08_chargeafternoon4	survey_com_main, survey_res_main	bigint	On a typical weekday afternoon, when and where do you typically charge your vehicle?: 3:00pm - 4:00pm (categorical)
pev08_chargeafternoon5	survey_com_main, survey_res_main	bigint	On a typical weekday afternoon, when and where do you typically charge your vehicle?: 4:00pm - 5:00pm (categorical)
pev08_chargeafternoon6	survey_com_main, survey_res_main	bigint	On a typical weekday afternoon, when and where do you typically charge your vehicle?: 5:00pm - 6:00pm (categorical)
pev09_chargeevening1	survey_com_main, survey_res_main	bigint	On a typical weekday evening, when and where do you typically charge your vehicle?: 6:00pm - 7:00pm (categorical)
pev09_chargeevening2	survey_com_main, survey_res_main	bigint	On a typical weekday evening, when and where do you typically charge your vehicle?: 7:00pm - 8:00pm (categorical)
pev09_chargeevening3	survey_com_main, survey_res_main	bigint	On a typical weekday evening, when and where do you typically charge your vehicle?: 8:00pm - 9:00pm (categorical)
pev09_chargeevening4	survey_com_main, survey_res_main	bigint	On a typical weekday evening, when and where do you typically charge your vehicle?: 9:00pm - 10:00pm (categorical)
pev09_chargeevening5	survey_com_main, survey_res_main	bigint	On a typical weekday evening, when and where do you typically charge your vehicle?: 10:00pm - 11:00pm (categorical)
pev09_chargeevening6	survey_com_main, survey_res_main	bigint	On a typical weekday evening, when and where do you typically charge your vehicle?: 11:00pm - 12:00am (categorical)
pev10_chargenight1	survey_com_main, survey_res_main	bigint	On a typical weekday night, when and where do you typically charge your vehicle?: 12:00am - 1:00am (categorical)
pev10_chargenight2	survey_com_main, survey_res_main	bigint	On a typical weekday night, when and where do you typically charge your vehicle?: 1:00am - 2:00am (categorical)
pev10_chargenight3	survey_com_main, survey_res_main	bigint	On a typical weekday night, when and where do you typically charge your vehicle?: 2:00am - 3:00am (categorical)
pev10_chargenight4	survey_com_main, survey_res_main	bigint	On a typical weekday night, when and where do you typically charge your vehicle?: 3:00am - 4:00am (categorical)
pev10_chargenight5	survey_com_main, survey_res_main	bigint	On a typical weekday night, when and where do you typically charge your vehicle?: 4:00am - 5:00am (categorical)
pev10_chargenight6	survey_com_main, survey_res_main	bigint	On a typical weekday night, when and where do you typically charge your vehicle?: 5:00am - 6:00am (categorical)
pev11_variablerates	survey_res_main	bigint	Does your electricity provider charge different rates for peak and non-peak usage? 1 = Yes; 2 = No; 3 = DK

Column	Table	Data Type	Description
pev11_variablerates	survey_com_main	bigint	Does your electricity provider charge different rates for peak and non-peak usage?: 1 = Yes, 2 = No, 3 = DK
pev13_meter	survey_com_main	bigint	Does your company have a separate electricity meter to track your vehicle's electricity usage?: 1 = Yes, 2 = No
pev13_meter	survey_res_main	bigint	Do you have a separate electricity meter to track your vehicle's electricity usage? 1 = Yes; 2 = No
pev14_specialrate	survey_com_main	bigint	Does your company receive a special electric vehicle electricity rate from your provider? 1 = Yes, 2 = No
pev14_specialrate	survey_res_main	bigint	Do you receive a special electric vehicle electricity rate from your provider? (categorical)
pev15_kwhrate	survey_com_main	double precision	On average, how much do you pay per kilowatt-hour to charge your vehicle(s)? (in dollars per kWh)
pev15_kwhrate1	survey_res_main	double precision	On average, how much do you pay per kilowatt-hour to charge your vehicle at home?
pev15_kwhrate2	survey_res_main	double precision	On average, how much do you pay per kilowatt-hour to charge your vehicle at work?
pev15_kwhrate3	survey_res_main	double precision	On average, how much do you pay per kilowatt-hour to charge your vehicle at a fast charger?
pev15_kwhrate4	survey_res_main	double precision	On average, how much do you pay per re-charge at a fast charger?
pev16_actualrange	survey_com_main, survey_res_main	bigint	When this vehicle is fully charged, how much electric range does it typically have? (in miles)
pev_charger_type1	survey_res_main	bigint	In the past month, which of the following technologies have you used to charge your vehicle's battery? Level 1: A standard (120V) household outlet - 0 = Not selected; 1 = Selected
pev_charger_type2	survey_res_main	bigint	In the past month, which of the following technologies have you used to charge your vehicle's battery? Level 2: A 240V for faster charging outlet used - 0 = Not selected; 1 = Selected
pev_charger_type3	survey_res_main	bigint	In the past month, which of the following technologies have you used to charge your vehicle's battery? Fast Charger: A high voltage charger found at public charging stations - 0 = Not selected; 1 = Selected
pev_charger_type4	survey_res_main	bigint	In the past month, which of the following technologies have you used to charge your vehicle's battery? Other - 0 = Not selected; 1 = Selected
pev_charger_type5	survey_res_main	bigint	In the past month, which of the following technologies have you used to charge your vehicle's battery? Not sure - 0 = Not selected; 1 = Selected
pev_charger_type6	survey_res_main	bigint	In the past month, which of the following technologies have you used to charge your vehicle's battery? None of these - 0 = Not selected; 1 = Selected
pev_charger_typex	survey_res_main	text	In the past month, which of the following technologies have you used to charge your vehicle's battery? Other, specified
pevowner	survey_com_main	bigint	Current ownership/lease of one or more Plug-in Hybrid Electric Vehicles or Battery Electric Vehicles (categorical)
pevowner	survey_com_currentvehs, survey_res_households, survey_res_currentvehs	bigint	Current ownership/lease of one or more plug-in hybrid electric vehicles or battery electric vehicles (categorical)

Column	Table	Data Type	Description
pevowner	survey_res_main	bigint	Do you or any other members of your household currently own a Plug-In Electric Vehicle (plug-in hybrid or full electric)? 1 = Yes; 2 = No
phevconcerns1	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Too expensive - 0 = Not selected; 1 = Selected
phevconcerns10	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Time to charge the battery - 0 = Not selected; 1 = Selected
phevconcerns11	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Uncertain resale value - 0 = Not selected; 1 = Selected
phevconcerns12	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Technology is still too new/unreliable - 0 = Not selected; 1 = Selected
phevconcerns13	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Other - 0 = Not selected; 1 = Selected
phevconcerns14	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: I don't have any concerns - 0 = Not selected; 1 = Selected
phevconcerns15	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: I don't know enough about this technology - 0 = Not selected; 1 = Selected
phevconcerns2	survey_res_main	bigint	What are your top five concerns about purchasing/leasing an electric only vehicle?: Limited driving range on the electric battery - 0 = Not selected; 1 = Selected
phevconcerns3	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Limited seating capacity - 0 = Not selected; 1 = Selected
phevconcerns4	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Limited hauling capacity - 0 = Not selected; 1 = Selected
phevconcerns5	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Limited vehicle body/styling of vehicle - 0 = Not selected; 1 = Selected
phevconcerns6	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Battery life uncertainty- 0 = Not selected; 1 = Selected
phevconcerns7	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Uncertain gasoline/electricity price - 0 = Not selected; 1 = Selected
phevconcerns8	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Cost of installing charging equipment for your home - 0 = Not selected; 1 = Selected
phevconcerns9	survey_res_main	bigint	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Lack of charging infrastruce outside your home - 0 = Not selected; 1 = Selected
phevconcerns_x	survey_res_main	text	What are your top five concerns about purchasing/leasing a plug-in hybrid electric vehicle?: Other, specified - 0 = Not selected; 1 = Selected



Column	Table	Data Type	Description
primary_driver	survey_res_currentvehs	bigint	Who is the primary driver of this vehicle? (categorical)
purchase10years	survey_res_main	bigint	How many vehicles have you or any member of your household purchased new over the last 10 years?
purchase10years2	survey_res_main	bigint	How many vehicles have you or any member of your household purchased used over the last 10 years?
purchase10years3	survey_res_main	bigint	How many vehicles have you or any member of your household leased over the last 10 years?
purchase_mileage	survey_res_currentvehs	bigint	What was the mileage when it was acquired?
r_vehmodel	survey_com_currentvehs	text	Vehicle Model
rc2_replace_newused	survey_res_main	bigint	Do you expect the replacement vehicle to be new or used? (categorical)
rc2_replace_powertrain	survey_res_main	bigint	What type of engine/fuel type do you expect the replacement vehicle to have? (categorical)
rc2_replace_type	survey_res_main	bigint	What type of vehicle do you expect to purchase or lease as a replacement? (categorical)
recommend	survey_res_main	bigint	How likely are you to recommend a {PHEV/Full Electric Vehicle} to a friend or family member? (categorical: ordinal)
recruit	survey_res_main	bigint	Administration type (categorical)
recruit_type	survey_com_main	bigint	Recruitment source (categorical)
region	survey_res_main	bigint	Region of Residence (categorical)
region_code	survey_com_main	text	California region (categorical)
replace_annual	survey_res_main	bigint	About how many miles per year do you expect this vehicle to be driven?
replace_make	survey_res_main	bigint	What make do you expect this vehicle to be? (categorical)
replace_mpg	survey_res_main	bigint	About how many miles per gallon (MPG or MPGe) do you expect this vehicle to get? (city/highway combined average)
replace_newused	survey_res_currentvehs	bigint	Do you expect the replacement vehicle to be new or used (categorical: ordinal)
replace_powertrain	survey_res_currentvehs	bigint	What type of engine/fuel type do you expect the replacement vehicle to have? (categorical)
replace_price	survey_res_main	bigint	About how much do you plan on spending for this vehicle?
replace_primary_dr	survey_res_main	bigint	Who do you expect will be the primary driver of this vehicle? (categorical)
replace_time	survey_res_currentvehs	bigint	When do you expect to replace this vehicle? (categorical)
replace_type	survey_res_currentvehs	bigint	What type of vehicle do you expect to purchase or lease as a replacement? (categorical)
replacecatch	survey_res_main	bigint	[if indicated that you plan to purchase a vehicle] Will this purchase be a replacement for a current vehicle or an additional vehicle for the household? (categorical)
replacement	survey_res_currentvehs	bigint	Was this vehicle a replacement for a previous vehicle in your household? (categorical)
replacesoon	survey_res_main	bigint	Which vehicle do you expect to replace first? (categorical)
resp_id	survey_com_vehchoice, survey_res_vehchoice	bigint	Unique respondent identifier

Column	Table	Data Type	Description
rideshare	survey_res_main	bigint	What is your level of participation in ride sharing and ride share programs, such as carpools, vanpools, Uber, Lyft, Sidecar, etc.? (categorical)
rideshareagree	survey_res_main	bigint	Car-sharing and ride-sharing programs will affect my future decisions about owning a personal vehicle in the future (categorical: ordinal)
ridesharewhy1	survey_res_main	bigint	When do you typically use ride share?: Travel or special events (e.g. concerts, sporting events, etc.) - 0 = Not selected; 1 = Selected
ridesharewhy2	survey_res_main	bigint	When do you typically use ride share?: Everyday commuting trips (e.g. trips to work, school, errands, etc.) - 0 = Not selected; 1 = Selected
ridesharewhy3	survey_res_main	bigint	When do you typically use ride share?: Other - 0 = Not selected; 1 = Selected
ridesharewhyx	survey_res_main	text	When do you typically use ride share?: Other, specified
sampno	survey_com_currentvehs, survey_com_main	bigint	Unique company identifier
sampno	survey_res_main, survey_res_currentvehs, survey_res_households	bigint	Unique household identifier
schoolcommute	survey_res_households	bigint	[If enrolled] About how many miles is it one-way from your home to school?
schooltransport	survey_res_households	bigint	[If enrolled] What is the primary type of transportation you use to get to school? (categorical)
season_acquired	survey_res_currentvehs	bigint	What time of year was this vehicle acquired? (categorical)
sequence	survey_com_vehchoice, survey_res_vehchoice	bigint	Experiment ID
solar	survey_res_main	bigint	Do you currently have solar panels installed on your permanent residence? 1 = Yes; 2 = No
solar_future	survey_res_main	bigint	Are you planning on purchasing solar panels for your permanent residence within the next 5 years? 1 = Yes; 2 = No
topattributes1	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Vehicle price - 0 = Not selected; 1 = Selected
topattributes1	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Vehicle price - 0 = Not selected; 1 = Selected
topattributes10	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Reliability - 0 = Not selected; 1 = Selected
topattributes10	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Reliability - 0 = Not selected; 1 = Selected
topattributes11	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Fuel availability - 0 = Not selected; 1 = Selected
topattributes11	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Fuel availability - 0 = Not selected; 1 = Selected
topattributes12	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Refueling time - 0 = Not selected; 1 = Selected

Column	Table	Data Type	Description
topattributes12	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Refueling time - 0 = Not selected; 1 = Selected
topattributes13	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Horsepower - 0 = Not selected; 1 = Selected
topattributes13	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Horsepower - 0 = Not selected; 1 = Selected
topattributes14	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Warranty - 0 = Not selected; 1 = Selected
topattributes14	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Warranty - 0 = Not selected; 1 = Selected
topattributes15	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Brand/Vehicle make - 0 = Not selected; 1 = Selected
topattributes15	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Brand/Vehicle make - 0 = Not selected; 1 = Selected
topattributes2	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): MPG/Fuel economy - 0 = Not selected; 1 = Selected
topattributes2	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: MPG/Fuel economy - 0 = Not selected; 1 = Selected
topattributes3	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Acceleration - 0 = Not selected; 1 = Selected
topattributes3	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Acceleration - 0 = Not selected; 1 = Selected
topattributes4	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Maintenance cost - 0 = Not selected; 1 = Selected
topattributes4	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Maintenance cost - 0 = Not selected; 1 = Selected
topattributes5	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Fuel cost - 0 = Not selected; 1 = Selected
topattributes5	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Fuel cost - 0 = Not selected; 1 = Selected
topattributes6	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Range - 0 = Not selected; 1 = Selected
topattributes6	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Range - 0 = Not selected; 1 = Selected
topattributes7	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Towing capacity - 0 = Not selected; 1 = Selected

Column	Table	Data Type	Description
topattributes7	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Towing capacity - 0 = Not selected; 1 = Selected
topattributes8	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Cargo capacity - 0 = Not selected; 1 = Selected
topattributes8	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Cargo capacity - 0 = Not selected; 1 = Selected
topattributes9	survey_res_main	bigint	When selecting a vehicle to buy or lease, what do you consider to be the top 3 attributes?: Seating capacity - 0 = Not selected; 1 = Selected
topattributes9	survey_com_main	bigint	When selecting a vehicle for your business, what do you consider to be the top 3 attributes? (Select up to 3): Seating capacity - 0 = Not selected; 1 = Selected
transitfreq	survey_res_households	bigint	One-way public transit trips per week (bus, metro, etc.)? Note: Round trips = two one-way trips
vehfueltype	survey_res_currentvehs	bigint	Vehicle engine/fuel type (categorical)
vehmake	survey_res_currentvehs	bigint	Vehicle make (categorical)
vehmodel	survey_res_currentvehs	text	Vehicle Model
vehno	survey_com_currentvehs, survey_res_currentvehs	bigint	Vehicle number
vehtype	survey_res_currentvehs	bigint	Vehicle type (categorical)
weeklycommute	survey_res_households	bigint	[If leaves home to travel to work] Total weekly miles driven for work
whybev1	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Saving money on fuel costs - 0 = Not selected; 1 = Selected
whybev10	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Politics of fossil fuels - 0 = Not selected; 1 = Selected
whybev11	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Convenience of charging at home or work - 0 = Not selected; 1 = Selected
whybev12	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Free charging at work or away from home - 0 = Not selected; 1 = Selected
whybev13	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Special/low EV electricity rate at home - 0 = Not selected; 1 = Selected
whybev14	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Vehicle performance - 0 = Not selected; 1 = Selected
whybev15	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Vehicle styling, finish and comfort - 0 = Not selected; 1 = Selected
whybev16	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: A desire for the newest technology - 0 = Not selected; 1 = Selected

Column	Table	Data Type	Description
whybev17	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Brand name - 0 = Not selected; 1 = Selected
whybev18	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Other - 0 = Not selected; 1 = Selected
whybev2	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Saving money overall - 0 = Not selected; 1 = Selected
whybev3	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Good lease terms & options - 0 = Not selected; 1 = Selected
whybev4	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Reducing environmental impacts - 0 = Not selected; 1 = Selected
whybev5	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Carpool or High Occupancy Vehicle (HOV) lane access - 0 = Not selected; 1 = Selected
whybev6	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Free or privileged parking space - 0 = Not selected; 1 = Selected
whybev7	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Better finance/interest rate - 0 = Not selected; 1 = Selected
whybev8	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Manufacturer or dealer cash back - 0 = Not selected; 1 = Selected
whybev9	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Insurance discount - 0 = Not selected; 1 = Selected
whybev_x	survey_res_main	text	Which of the following factors were the most important reasons why you decided to purchase a full electric vehicle?: Other, specified - 0 = Not selected; 1 = Selected
whynocarshare	survey_res_main	bigint	What is the primary reason you are not currently participating in a car-share? (categorical)
whynocarsharex	survey_res_main	text	What is the primary reason you are not currently participating in a car-share? Other, specified
whynorideshare	survey_res_main	bigint	What is the primary reason you are not currently using ride sharing? (categorical)
whynoridesharex	survey_res_main	text	What is the primary reason you are not currently using ride sharing? Other, specified
whyphev1	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Saving money on fuel costs - 0 = Not selected; 1 = Selected
whyphev10	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Politics of fossil fuels - 0 = Not selected; 1 = Selected
whyphev11	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Convenience of charging at home or work - 0 = Not selected; 1 = Selected

Column	Table	Data Type	Description
whyphev12	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Free charging at work or away from home - 0 = Not selected; 1 = Selected
whyphev13	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Special/low EV electricity rate at home - 0 = Not selected; 1 = Selected
whyphev14	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Vehicle performance - 0 = Not selected; 1 = Selected
whyphev15	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Vehicle styling, finish and comfort - 0 = Not selected; 1 = Selected
whyphev16	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: A desire for the newest technology - 0 = Not selected; 1 = Selected
whyphev17	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Brand name - 0 = Not selected; 1 = Selected
whyphev18	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Other - 0 = Not selected; 1 = Selected
whyphev2	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Saving money overall - 0 = Not selected; 1 = Selected
whyphev3	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Good lease terms & options - 0 = Not selected; 1 = Selected
whyphev4	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Reducing environmental impacts - 0 = Not selected; 1 = Selected
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whyphev7	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Better finance/interest rate - 0 = Not selected; 1 = Selected
whyphev8	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Manufacturer or dealer cash back - 0 = Not selected; 1 = Selected
whyphev9	survey_res_main	bigint	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Insurance discount - 0 = Not selected; 1 = Selected

<b>Column</b>	<b>Table</b>	<b>Data Type</b>	<b>Description</b>
whyphev_x	survey_res_main	text	Which of the following factors were the most important reasons why you decided to purchase a plug-in hybrid vehicle?: Other, specified - 0 = Not selected; 1 = Selected
workdays	survey_res_households	bigint	[If leaves home to travel to work] Number of days per week with travel to primary workplace
worktransport	survey_res_households	bigint	[If leaves home to travel to work] Primary type of transportation used to get to work (categorical)
worktransport_oth	survey_res_households	text	[If leaves home to travel to work, & chose Other for Type of transportation] Other type of transportation used to get to work, specified
workvehicle	survey_res_households	bigint	[If leaves home to travel to work] Use household vehicle for part or all of the trip to work? (categorical)
year_acquired	survey_res_currentvehs	bigint	What year was this vehicle acquired?
zip	survey_com_main	text	Respondent ZIP codes (if known)
zip	survey_res_main	integer	Zip code (if known)