Massachusetts Vehicle C	ensus	
Vehicle History TableD		
Field	Field Name	Description
		Unique ID for this record. Each record represents a unique combination of
record_id	Record ID	Vehicle ID, Plate ID, mileage estimate, and address (not shown).
		Randomly assigned unique integer that replaces the actual 17-character
vin_id	Vehicle ID	Vehicle Identification Number (VIN) for an individual vehicle.
		Randomly assigned unique integer that replaces the actual alphanumeric
		Registration ID (License Plate); because plates can be transferred from one
plate_id	Plate ID	vehicle to another, this ID may be associated with multiple Vehicle IDs.
		1: Noncommercial Passenger Vehicles
owner_type	Owner Type	2: Commercial Vehicles
start_odom	Start Odometer	Odometer reading from the inspection at the beginning of the mileage estimate
start_date	Start date	Start date for this registration and estimates record
end_date	End Date	End date for this registration and estimates record
		Indicates if there is a mileage estimate for this vehicle at this period. Mileage
		estimates are based on odometer readings taken during vehicle safety
		inspections, conducted annually and upon transfer of title. The odometer readings of successive inspections were compared to estimate miles driven
inco motelo	Inspection Match	during the intervening period.
insp_match	Record Length	Number of days in this record
ovrlp_days	Record Lengin	Number of days hit his record Number of days between the two inspections that constitute the beginning and
daysbtnins	Mileage Estimate Days	end of the mileage estimate period.
adysbillins	Mileage Estillate Days	The length of this record as a percent of the mileage estimate period. Indicates
		how much of the mileage estimate period was spent with this owner at this
ovrlp_pct	Percent Overlap	location. A measure of estimate reliability.
mi_per_day	Miles per Day	Estimated daily mileage for this vehicle during this period.
		Numeric ID number (DOR ID) for municipality where vehicle is garaged. A
		value of zero indicates the vehicle is garaged out of state or the garage
		location of the vehicle is supressed. Vehicle locaiton information is suppressed if
		there is a small number of vehicles of a certain make, model, and year in a
muni_id	Municipal ID	given zip code.
		Zip code where vehicle is garaged. A value of zero indicates the garage
		location of the vehicle is supressed. Vehicle locaiton information is suppressed if
		there is a small number of vehicles of a certain make, model, and year in a
veh_zip	Zip Code	given zip code.
		Calendar year containing the start date of the mileage estimate (first
insp_year	Mileage Estimate Year	inspection.)
		Vehicle Model Year as reported by a commercial vehicle information
model_year	Vehicle Model	database.
an ada a	Waliala Akada	Vahiala maka aa rangrisad by a sammarsial vahiala information database
make	Vehicle Make	Vehicle make as reported by a commercial vehicle information database.
model	Vehicle Model	Vehicle Model as reported by a commercial vehicle information database.
	Vehicle Type	Type of Vehicle: Car, Truck, SUV, Wagon, Van, Other
veh_type mcycle	Motorcycle	Flag for motorcycles; 1 = yes
hybrid	Hybrid	Flag for hybrid electirc vehicles; 1 = yes
curbwt	Curb Weight	Total weight of vehicle with standard equipment and no passengers.
CO15 W1	Corb Treigin	Manufacturers Suggested Retail Price, as reported by a commercial vehicle
msrp	MSRP	information database.
msrp	Mon	
		Average (city/highway) fuel economy from 2008 EPA Ratings, as reported by
mpg2008	Fuel Economy	a commercial vehicle information database and Yale University research
fuel	Fuel Type	Type of fuel consumed: Gasoline, Diesel, Flexfuel, Elect, Other.
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		Fuel economy rating adjusted to account for deterioration of efficiency over
		time and usage. Fuel economy rating is reduced according to a formula that
mpg_adj	Adjusted MPG	includes vehicle age and mileage.
		Estimated average daily fuel consumption, based on Miles per Day and
gal_per day	Daily Fuel Use	Adjusted MPG
co2eqv_day	co2eqv_day	Greenhouse gas emissions, in kilograms of CO2 equivalents, per day.
		Indicates if this record is valid on the median day of the first calendar quarter
q1_2008	q1_2009	of 2008.
		Indicates if this record is valid on the median day of the second calendar
q2_2008	q2_2009	quarter of 2008.
		Indicates if this record is valid on the median day of the third calendar quarter
q3_2008	q3_2009	of 2008.
		Indicates if this record is valid on the median day of the fourth calendar
q4_2008	q4_2009	quarter of 2008.
		Indicates if this record is valid on the median day of the first calendar quarter
q1_2009	q1_2009	of 2009.
		Indicates if this record is valid on the median day of the second calendar
q2_2009	q2_2009	quarter of 2009.
		Indicates if this record is valid on the median day of the third calendar quarter
q3_2009	q3_2009	of 2009.
		Indicates if this record is valid on the median day of the fourth calendar
q4_2009	q4_2009	quarter of 2009.
		Indicates if this record is valid on the median day of the first calendar quarter
q1_2010	q1_2010	of 2010.
		Indicates if this record is valid on the median day of the second calendar
q2_2010	q2_2010	quarter of 2010.
		Indicates if this record is valid on the median day of the third calendar quarter
q3_2010	q3_2010	of 2010.
		Indicates if this record is valid on the median day of the fourth calendar
q4_2010	q4_2010	quarter of 2010.
		Indicates if this record is valid on the median day of the first calendar quarter
q1_2011	q1_2011	of 2011.
		Indicates if this record is valid on the median day of the second calendar
q2_2011	q2_2011	quarter of 2011.
		Indicates if this record is valid on the median day of the third calendar quarter
q3_2011	q3_2011	of 2011.
		Indicates if this record is valid on the median day of the fourth calendar
q4_2011	q4_2011	quarter of 2011.

Vehicle Census of Massachusetts 250 Meter Grid-Data Dictionary

seq_id Sequence ID Unique ID for this record. g250m_id Grid ID Unique integer ID for 250 meter grid cell Estimated number of households in the grid cell, 2010. N allocated Census 2010 block-level household counts to g based on point-level household records from third-party vendor and/or distribution of residential land uses. Sour InforGroup (Household records), MassGIS (Land Use 200 hh10 Households, 2010 Census. Date of record. The vehicle-level dataset is sampled on a day of each calendar quarter (e.g., February 14 for Q1 date is expressed as the calendar quarter. veh_tot Total Vehicles Total Registered Vehicles (pass_veh) + (comm_veh) Total Passenger Vehicles (pass_geo + pass_zip_assign + pass_veh Passenger Vehicles The composite mileage estimate overlap for all geocode with a valid inspection record. Calcluated as the sum of	grid cells data rces: 05), U.S. the median 1). Sample
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Overlap divided by the total number of qualifying vehic	
(geocoded to this drid cell, mileage estimate of 200 mile	-
or less.) A measure of mileage estimate reliability. High	
indicate that a greater proportion of the estimates are b	
vehicles garaged at the same location to the same owne	r for the
ovrlp_pct Mileage Estimate Overlap entirety of the mileage estimate period.	
Count of passenger vehicles assigned to this grid cell ba	
geocoded street address, based on NAVTEQ and TIGER	address
pass_geo Passenger Geocoded ranges.	
Count of geocoded passenger vehicles that constitute a	"hest"
mileage estimate. Best estimates are those in which the v	
garaged at the same location for the entirety or almost	
of the mileage estimate period. (The registration period	
more than 95% of inspection record days, so Percent Ov	
>0.95.) Only includes records with estimated mileage of	
best_geo Passenger Best Estimates per day or less.	200 111103
Count of ungeocoded passenger vehicles within this zip of	ode that
are assigned to this grid cell based on its share of house	
pass_zip Passenger Zip Assigned zip code.	noids in inc
Count of ungeocoded passenger vehicles within this muni	cinality
that are assigned to this grid cell based on its share of h	
l la company de la company	Cosciloids
pass_muni Passenger Muni Assigned in the municipality. Registered passenger vehicle per household. Total passe	nger
veh_phh Vehicles per Household vehicles divided by Households 2010.	iiidei
Average daily mileage for passenger vehicles with a va	lid
inspection record. The average is weighted by the perce	
with the mileage estimate so the influence of unreliable e	
minimized. Valid estimates are limited to 200 miles per	
mipdaypass Miles per Day Passenger Vehicles less.	,

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mipday_phh	Household Miles per Day	Passenger vehicle miles travelled per household. Calculated as the estimated passenger vehicles per household multiplied by the average daily mileage for passenger vehicles.
mipdaybest	Miles per Day-Best	Average daily mileage for "best" estimate vehicles. Samples are not weighted by percent overlap but estimates of greater than 200 miles per day are excluded.
veh_lo	Low Mileage Vehicles	Geocoded Passenger Vehicles with valid mileage estimates of less than 16 miles per day (less than 25th percentile of VMT for entire Massachusetts passenger vehicle fleet in 2010.)
veh_medlo	Medium-Low Mileage Vehicles	Geocoded Passenger Vehicles with valid mileage estimates of 16 to 27 miles per day (25th to 50th percentile of VMT for entire Massachusetts passenger vehicle fleet in 2010.)
veh_medhi	Medium-High Mileage Vehicles	Geocoded Passenger Vehicles with valid mileage estimates of 27 to 40 miles per day (50th to 75th percentile of VMT for entire Massachusetts passenger vehicle fleet in 2010.)
veh_hi	High Mileage Vehicles	Geocoded Passenger Vehicles with valid mileage estimates of more than 40 miles per day (above 75th percentile of VMT for entire Massachusetts passenger vehicle fleet in 2010.)
veh_vhi	Very High Mileage Vehicles	Geocoded Passenger Vehicles with valid mileage estimates of more than 56 miles per day (above 90th percentile of VMT for entire Massachusetts passenger vehicle fleet in 2010.)
comm_veh	Commercial Vehicles	Total Estimated Commercial Vehicles (comm_geo + comm_zip_assign + comm_muni_assign)
comm_geo	Commercial Geocoded	Count of Commercial Vehicles assigned to this grid cell based on geocoded street address
comm_zip	Commercial Zip Assigned	Count of ungeocoded commercial vehicles within this zip code that are assigned to this grid cell.
comm_muni	Commercial Muni Assigned	Count of ungeocoded commercial vehicles within this municipality that are assigned to this grid cell.
mipdaycomm	Miles per Day Commercial Vehicles	Average Commercial Vehicle Miles per Day
mpg_eff	Average Fuel Economy (MPG)	Average fuel economy for passenger vehicles with valid mileage estimates, weighted by average daily mileagee. Calculated as total estimated fuel consumption (gal_per_day) for vehicles with valid mileage estimates and fuel economy ratings, divided by total daily miles for same vehicles. Average daily fuel (gasoline or diesel) consumption, a product of
glpdaypass	Fuel per Day, Passenger	total passenger vehicles, passenger vehicle miles per day, and average fuel economy. Daily greenhouse gas emissions (CO2 equivalent), based on daily
co2eqv_day	CO2 per Day, Passenger	fuel consumption.