Capstone\_analyses

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Set working directory.

setwd("C:\\Users\\Juan Nunez\\Desktop\\DATA\_Capstone")

Open packages

library(dplyr)

##   
## Attaching package: 'dplyr'

## The following objects are masked from 'package:stats':  
##   
## filter, lag

## The following objects are masked from 'package:base':  
##   
## intersect, setdiff, setequal, union

library(readr)  
library(ggplot2)  
library(tidyr)

Open data:

#traffic <- read\_csv("DATASETS\\Traffic\_Violations.csv")  
##save(traffic, file = "traffic.Rda")  
load(file = "traffic.rda")

Look at the top of the data.

head(traffic)

## # A tibble: 6 x 35  
## `Date Of Stop` `Time Of Stop` Agency SubAgency Description Location  
## <chr> <time> <chr> <chr> <chr> <chr>   
## 1 09/24/2013 17:11 MCP 3rd dist~ DRIVING VE~ 8804 FL~  
## 2 08/29/2017 10:19 MCP 2nd dist~ DRIVER FAI~ WISCONS~  
## 3 12/01/2014 12:52 MCP 6th dist~ FAILURE ST~ CHRISTO~  
## 4 08/29/2017 09:22 MCP 3rd dist~ FAILURE YI~ CHERRY ~  
## 5 08/28/2017 23:41 MCP 6th dist~ FAILURE OF~ 355 @ S~  
## 6 08/27/2013 00:55 MCP 2nd dist~ NEGLIGENT ~ CONNECT~  
## # ... with 29 more variables: Latitude <dbl>, Longitude <dbl>,  
## # Accident <chr>, Belts <chr>, `Personal Injury` <chr>, `Property  
## # Damage` <chr>, Fatal <chr>, `Commercial License` <chr>, HAZMAT <chr>,  
## # `Commercial Vehicle` <chr>, Alcohol <chr>, `Work Zone` <chr>,  
## # State <chr>, VehicleType <chr>, Year <dbl>, Make <chr>, Model <chr>,  
## # Color <chr>, `Violation Type` <chr>, Charge <chr>, Article <chr>,  
## # `Contributed To Accident` <chr>, Race <chr>, Gender <chr>, `Driver  
## # City` <chr>, `Driver State` <chr>, `DL State` <chr>, `Arrest  
## # Type` <chr>, Geolocation <chr>

Dimensions of the traffic dataset.

dim(traffic)

## [1] 1481441 35

Below I make a copy of traffic.

traffic2 <- traffic

Now I remove district from the Subagency variable.

traffic2$SubAgency <-gsub(" district","",traffic2$SubAgency)

Let’s see if this worked.

head(traffic2)

## # A tibble: 6 x 35  
## `Date Of Stop` `Time Of Stop` Agency SubAgency Description Location  
## <chr> <time> <chr> <chr> <chr> <chr>   
## 1 09/24/2013 17:11 MCP 3rd, Sil~ DRIVING VE~ 8804 FL~  
## 2 08/29/2017 10:19 MCP 2nd, Bet~ DRIVER FAI~ WISCONS~  
## 3 12/01/2014 12:52 MCP 6th, Gai~ FAILURE ST~ CHRISTO~  
## 4 08/29/2017 09:22 MCP 3rd, Sil~ FAILURE YI~ CHERRY ~  
## 5 08/28/2017 23:41 MCP 6th, Gai~ FAILURE OF~ 355 @ S~  
## 6 08/27/2013 00:55 MCP 2nd, Bet~ NEGLIGENT ~ CONNECT~  
## # ... with 29 more variables: Latitude <dbl>, Longitude <dbl>,  
## # Accident <chr>, Belts <chr>, `Personal Injury` <chr>, `Property  
## # Damage` <chr>, Fatal <chr>, `Commercial License` <chr>, HAZMAT <chr>,  
## # `Commercial Vehicle` <chr>, Alcohol <chr>, `Work Zone` <chr>,  
## # State <chr>, VehicleType <chr>, Year <dbl>, Make <chr>, Model <chr>,  
## # Color <chr>, `Violation Type` <chr>, Charge <chr>, Article <chr>,  
## # `Contributed To Accident` <chr>, Race <chr>, Gender <chr>, `Driver  
## # City` <chr>, `Driver State` <chr>, `DL State` <chr>, `Arrest  
## # Type` <chr>, Geolocation <chr>

Now that the word district was removed, I’ll separate SubAgency into two columns - one containing the district number and the other containing the city. First I want to see how many SubAgencies there are.

table(traffic2$SubAgency)

##   
## 1st, Rockville   
## 177628   
## 2nd, Bethesda   
## 235207   
## 3rd, Silver Spring   
## 291705   
## 4th, Wheaton   
## 367336   
## 5th, Germantown   
## 169374   
## 6th, Gaithersburg / Montgomery Village   
## 191104   
## Headquarters and Special Operations   
## 49077

Now let’s change the names of these subagencies. First I check in the crime dataset to make sure we have the same names.

#crime <- read\_csv("DATASETS\\Crime.csv")

#table(crime$`Police District Number`)

1D 2D 3D 4D 5D 6D OTHER TPPD 10448 9974 15915 14788 9905 12413 18 1771

I think we will go with the crime dataset names. I set the Headquarters and Special Operations category to other.

traffic2$SubAgency\_n[traffic2$SubAgency== "1st, Rockville"] <- "1D"

## Warning: Unknown or uninitialised column: 'SubAgency\_n'.

traffic2$SubAgency\_n[traffic2$SubAgency== "2nd, Bethesda"] <- "2D"  
traffic2$SubAgency\_n[traffic2$SubAgency== "3rd, Silver Spring"] <- "3D"  
traffic2$SubAgency\_n[traffic2$SubAgency== "4th, Wheaton"] <- "4D"  
traffic2$SubAgency\_n[traffic2$SubAgency== "5th, Germantown"] <- "5D"  
traffic2$SubAgency\_n[traffic2$SubAgency== "6th, Gaithersburg / Montgomery Village"] <- "6D"  
traffic2$SubAgency\_n[traffic2$SubAgency== "Headquarters and Special Operations"] <- "Other"

Let’s see if this did the trick.

head(traffic2)

## # A tibble: 6 x 36  
## `Date Of Stop` `Time Of Stop` Agency SubAgency Description Location  
## <chr> <time> <chr> <chr> <chr> <chr>   
## 1 09/24/2013 17:11 MCP 3rd, Sil~ DRIVING VE~ 8804 FL~  
## 2 08/29/2017 10:19 MCP 2nd, Bet~ DRIVER FAI~ WISCONS~  
## 3 12/01/2014 12:52 MCP 6th, Gai~ FAILURE ST~ CHRISTO~  
## 4 08/29/2017 09:22 MCP 3rd, Sil~ FAILURE YI~ CHERRY ~  
## 5 08/28/2017 23:41 MCP 6th, Gai~ FAILURE OF~ 355 @ S~  
## 6 08/27/2013 00:55 MCP 2nd, Bet~ NEGLIGENT ~ CONNECT~  
## # ... with 30 more variables: Latitude <dbl>, Longitude <dbl>,  
## # Accident <chr>, Belts <chr>, `Personal Injury` <chr>, `Property  
## # Damage` <chr>, Fatal <chr>, `Commercial License` <chr>, HAZMAT <chr>,  
## # `Commercial Vehicle` <chr>, Alcohol <chr>, `Work Zone` <chr>,  
## # State <chr>, VehicleType <chr>, Year <dbl>, Make <chr>, Model <chr>,  
## # Color <chr>, `Violation Type` <chr>, Charge <chr>, Article <chr>,  
## # `Contributed To Accident` <chr>, Race <chr>, Gender <chr>, `Driver  
## # City` <chr>, `Driver State` <chr>, `DL State` <chr>, `Arrest  
## # Type` <chr>, Geolocation <chr>, SubAgency\_n <chr>

Let’s look at the categories

table(traffic2$SubAgency)

##   
## 1st, Rockville   
## 177628   
## 2nd, Bethesda   
## 235207   
## 3rd, Silver Spring   
## 291705   
## 4th, Wheaton   
## 367336   
## 5th, Germantown   
## 169374   
## 6th, Gaithersburg / Montgomery Village   
## 191104   
## Headquarters and Special Operations   
## 49077

table(traffic2$SubAgency\_n)

##   
## 1D 2D 3D 4D 5D 6D Other   
## 177628 235207 291705 367336 169374 191104 49077

Looks good. Now let’s see if the class for Date of Stop is correct.

class(traffic2$`Date Of Stop`)

## [1] "character"

We need to make sure R knows this is a date.

traffic2$Date <- as.Date(traffic2$`Date Of Stop`, "%m/%d/%Y")

Let’s see if it worked

class(traffic2$Date)

## [1] "Date"

What about the time of stop?

class(traffic2$`Time Of Stop`)

## [1] "hms" "difftime"

R does understand that. Now let’s figure the location variable. First I create separate columns for year month and day

I may need lubridate so I load it.

library(lubridate)

##   
## Attaching package: 'lubridate'

## The following object is masked from 'package:base':  
##   
## date

Now I create a separate variable for month, day, and year

traffic3 <- traffic2

#Add additional columns for the year, month, and day of the violation  
traffic2$year <- as.numeric(format(traffic2$Date,'%Y'))  
traffic2$month <- as.numeric(format(traffic2$Date,'%m'))  
traffic2$day <- as.numeric(format(traffic2$Date,'%d'))

head(traffic2)

## # A tibble: 6 x 40  
## `Date Of Stop` `Time Of Stop` Agency SubAgency Description Location  
## <chr> <time> <chr> <chr> <chr> <chr>   
## 1 09/24/2013 17:11 MCP 3rd, Sil~ DRIVING VE~ 8804 FL~  
## 2 08/29/2017 10:19 MCP 2nd, Bet~ DRIVER FAI~ WISCONS~  
## 3 12/01/2014 12:52 MCP 6th, Gai~ FAILURE ST~ CHRISTO~  
## 4 08/29/2017 09:22 MCP 3rd, Sil~ FAILURE YI~ CHERRY ~  
## 5 08/28/2017 23:41 MCP 6th, Gai~ FAILURE OF~ 355 @ S~  
## 6 08/27/2013 00:55 MCP 2nd, Bet~ NEGLIGENT ~ CONNECT~  
## # ... with 34 more variables: Latitude <dbl>, Longitude <dbl>,  
## # Accident <chr>, Belts <chr>, `Personal Injury` <chr>, `Property  
## # Damage` <chr>, Fatal <chr>, `Commercial License` <chr>, HAZMAT <chr>,  
## # `Commercial Vehicle` <chr>, Alcohol <chr>, `Work Zone` <chr>,  
## # State <chr>, VehicleType <chr>, Year <dbl>, Make <chr>, Model <chr>,  
## # Color <chr>, `Violation Type` <chr>, Charge <chr>, Article <chr>,  
## # `Contributed To Accident` <chr>, Race <chr>, Gender <chr>, `Driver  
## # City` <chr>, `Driver State` <chr>, `DL State` <chr>, `Arrest  
## # Type` <chr>, Geolocation <chr>, SubAgency\_n <chr>, Date <date>,  
## # year <dbl>, month <dbl>, day <dbl>

I add the underscores to the columns of the traffic data.

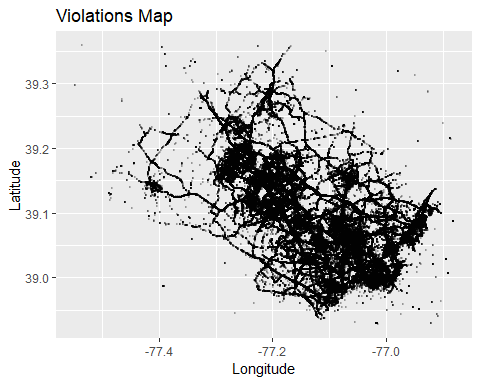
colnames(traffic3) = gsub(" ", "\_",colnames(traffic3))

head(traffic3)

## # A tibble: 6 x 37  
## Date\_Of\_Stop Time\_Of\_Stop Agency SubAgency Description Location Latitude  
## <chr> <time> <chr> <chr> <chr> <chr> <dbl>  
## 1 09/24/2013 17:11 MCP 3rd, Sil~ DRIVING VE~ 8804 FL~ NA   
## 2 08/29/2017 10:19 MCP 2nd, Bet~ DRIVER FAI~ WISCONS~ 39.0  
## 3 12/01/2014 12:52 MCP 6th, Gai~ FAILURE ST~ CHRISTO~ 39.2  
## 4 08/29/2017 09:22 MCP 3rd, Sil~ FAILURE YI~ CHERRY ~ 39.1  
## 5 08/28/2017 23:41 MCP 6th, Gai~ FAILURE OF~ 355 @ S~ NA   
## 6 08/27/2013 00:55 MCP 2nd, Bet~ NEGLIGENT ~ CONNECT~ NA   
## # ... with 30 more variables: Longitude <dbl>, Accident <chr>,  
## # Belts <chr>, Personal\_Injury <chr>, Property\_Damage <chr>,  
## # Fatal <chr>, Commercial\_License <chr>, HAZMAT <chr>,  
## # Commercial\_Vehicle <chr>, Alcohol <chr>, Work\_Zone <chr>, State <chr>,  
## # VehicleType <chr>, Year <dbl>, Make <chr>, Model <chr>, Color <chr>,  
## # Violation\_Type <chr>, Charge <chr>, Article <chr>,  
## # Contributed\_To\_Accident <chr>, Race <chr>, Gender <chr>,  
## # Driver\_City <chr>, Driver\_State <chr>, DL\_State <chr>,  
## # Arrest\_Type <chr>, Geolocation <chr>, SubAgency\_n <chr>, Date <date>

Ok, Now to the visualization.

#these are the furtest latitude/longitude for Montgomery County in any given direction, based on Google Maps  
north <- 39.36  
south <- 38.92  
west <- -77.55  
east <- -76.88  
ggplot(data = traffic2%>%filter(Longitude>west,Longitude<east,Latitude<north,Latitude>south)) + geom\_point(aes(x = Longitude, y = Latitude),alpha = .2, size = .1)+ggtitle("Violations Map")



Back to traffic2. Adding the underscores to the traffic column names.

colnames(traffic2) = gsub(" ", "\_",colnames(traffic2))

Let’s see what traffic2 looks like.

head(traffic2)

## # A tibble: 6 x 40  
## Date\_Of\_Stop Time\_Of\_Stop Agency SubAgency Description Location Latitude  
## <chr> <time> <chr> <chr> <chr> <chr> <dbl>  
## 1 09/24/2013 17:11 MCP 3rd, Sil~ DRIVING VE~ 8804 FL~ NA   
## 2 08/29/2017 10:19 MCP 2nd, Bet~ DRIVER FAI~ WISCONS~ 39.0  
## 3 12/01/2014 12:52 MCP 6th, Gai~ FAILURE ST~ CHRISTO~ 39.2  
## 4 08/29/2017 09:22 MCP 3rd, Sil~ FAILURE YI~ CHERRY ~ 39.1  
## 5 08/28/2017 23:41 MCP 6th, Gai~ FAILURE OF~ 355 @ S~ NA   
## 6 08/27/2013 00:55 MCP 2nd, Bet~ NEGLIGENT ~ CONNECT~ NA   
## # ... with 33 more variables: Longitude <dbl>, Accident <chr>,  
## # Belts <chr>, Personal\_Injury <chr>, Property\_Damage <chr>,  
## # Fatal <chr>, Commercial\_License <chr>, HAZMAT <chr>,  
## # Commercial\_Vehicle <chr>, Alcohol <chr>, Work\_Zone <chr>, State <chr>,  
## # VehicleType <chr>, Year <dbl>, Make <chr>, Model <chr>, Color <chr>,  
## # Violation\_Type <chr>, Charge <chr>, Article <chr>,  
## # Contributed\_To\_Accident <chr>, Race <chr>, Gender <chr>,  
## # Driver\_City <chr>, Driver\_State <chr>, DL\_State <chr>,  
## # Arrest\_Type <chr>, Geolocation <chr>, SubAgency\_n <chr>, Date <date>,  
## # year <dbl>, month <dbl>, day <dbl>

Finally, let’s see if the Make and Color variables are clean.

table(traffic2$Make)

##   
## 'NISSAN - ----   
## 1 1 4   
## ,AZDA ,EX ,LEXUS   
## 4 1 1   
## .... ;EXU ;EXUS   
## 3 1 4   
## ;NISSAN ]LEXUS `DODGE   
## 1 1 1   
## `LINC `TOYOTA =ACURA   
## 1 1 1   
## 00 000 0000   
## 20 1 2   
## 00000 0LDS 0LDSMOBILE   
## 1 2 2   
## 1=TOYT 1990 1995   
## 2 1 5   
## 1999 1CG6099 2000XK8   
## 1 3 2   
## 2002 2003 2004   
## 1 1 6   
## 2005 2006 2007   
## 1 2 2   
## 2008 2009 2010   
## 4 1 10   
## 2010HONDA 2011 2013   
## 1 2 3   
## 2014 2015 2016   
## 2 2 2   
## 2018 2AC9011 2AF9852   
## 1 4 3   
## 2AN5185 2BD3611 2DR   
## 1 1 2   
## 2S 3 325   
## 12 2 2   
## 325I 36V663 3FNY97   
## 4 1 1   
## 3MD4389 4 DR 4 RUNNER   
## 1 1 1   
## 4 RUNNERTOYOTA 4BB5077 4CD1022   
## 2 1 1   
## 4D 4DOOR 4DR   
## 8 2 4   
## 4RUNNER 4S 4STOYOTA   
## 1 39 1   
## 4X4 5AF4097 5AJ8506   
## 3 2 1   
## 5BB7282 5BL2341 5DN8490   
## 3 1 1   
## 6BR9831 6BX9543 6CM2516   
## 2 1 1   
## 6FAJ71 70000 7BE9868   
## 1 7 1   
## 7BG6353 8BD1682 8BY1270   
## 1 1 1   
## 8NFINITI 99 9BT8644   
## 1 1 2   
## 9CAZ95 A A URA   
## 1 5 2   
## ABY ACAD ACC   
## 2 1 1   
## ACCENT ACCO ACCORD   
## 1 1 23   
## ACCU ACCUR ACCURA   
## 5 7 94   
## ACIRA ACORA ACRA   
## 4 1 16   
## ACRU ACRUA ACRUAA   
## 4 54 1   
## ACRURA ACU ACUA   
## 3 7 11   
## ACUAR ACUARA ACUEA   
## 6 6 1   
## ACUFRA ACUIRA ACUR   
## 5 1 12480   
## ACUR G ACUR TL ACURA   
## 1 6 33261   
## ACURA 4D ACURA 4S ACURA TK   
## 1 1 1   
## ACURA TL ACURA4DR ACURAMDX   
## 1 1 2   
## ACURASIL ACURAX ACURRA   
## 1 3 7   
## ACURS ACURU ACURUA   
## 3 6 2   
## ACURVA ACURVAL ACURVAL1996   
## 1 2 4   
## ACURVAL1997 ACURVAL1998 ACURVAL2003   
## 1 1 5   
## ACURVAL2004 ACURVAL2005 ACURVAL2008   
## 1 1 2   
## ACURVAL2010 ACUTA ACUURA   
## 2 12 5   
## ACYRA ACYUA ADILLAC   
## 10 1 4   
## ADLY ADUI ADVA   
## 11 2 1   
## ADVENGER AEILLA AGA   
## 1 2 2   
## AIDI AIRS ALABAMA   
## 1 1 1   
## ALERO ALFA ALFA ROMEO   
## 1 19 2   
## ALFA ROMERO ALPHA ROMEO ALTIMA   
## 3 1 32   
## AM GENERAL AMC AMER   
## 1 28 2   
## AMERICAN AMERICANA AMG   
## 6 6 2   
## AMGE AMMO AMO   
## 1 9 14   
## AMTI ANDE AOTAO   
## 1 1 3   
## APOLLO APRI APRIL   
## 16 8 3   
## APRILIA APRILLA APRILLIA   
## 9 5 1   
## AQCURA ARCURA ARES   
## 1 5 4   
## ARIS ARISING ASM   
## 1 4 1   
## AST ASTO ASTON MARTIN   
## 1 10 17   
## ASTRO ASTRO MARTIN ATM   
## 2 1 2   
## ATURN ATV ATWO   
## 1 19 6   
## AU AUBU AUCI   
## 2 2 1   
## AUCRA AUD AUD1   
## 9 8 3   
## AUDDI AUDI AUDIE   
## 3 14141 2   
## AUDII AUDIO AUDIQ   
## 2 7 1   
## AUDIVAL2003 AUDIVAL2008 AUDIVAL2011   
## 1 2 3   
## AUDIVAL2013 AUDO AUDU   
## 1 5 3   
## AUDUI AUDY AUFI   
## 1 2 2   
## AUGI AUI AUID   
## 4 2 1   
## AUIDI AUR AURA   
## 2 2 15   
## AURORA AURRA AUSTIN MARTIN   
## 2 4 3   
## AUTC AUTO AUTOCAR   
## 1 4 1   
## AVALON AVANTI AVCURA   
## 2 9 4   
## AVUR AVURA B,W   
## 4 7 4   
## B=HYUNDAI B0W BADO   
## 3 1 5   
## BAJA BAJA MOTORSPORT BARCH   
## 13 5 3   
## BART BARTLEY BASH   
## 23 8 7   
## BASHAN BBUICK BEAMER   
## 20 2 12   
## BEAR BECK BELM   
## 3 6 4   
## BELMONT BEND BENT   
## 9 1 36   
## BENTLEY BENTLY BENZ   
## 52 25 146   
## BETERBUILT BETT BGTX   
## 1 3 9   
## BIANCHI BICYCLE BIG   
## 1 18 8   
## BIG HORN BIG TEX BIGT   
## 1 4 19   
## BIGTEX BIKE BIKE FRIDAY   
## 9 1 1   
## BINTELLI BISSAN BIUCK   
## 6 1 1   
## BIUICK BLACK BLK   
## 8 5 1   
## BLUE BLUE BIRD BLW   
## 14 3 5   
## BM BMA BMC   
## 6 2 5   
## BMD BME BMEW   
## 2 3 1   
## BMI BMQ BMQBMW   
## 1 4 2   
## BMS BMV BMW   
## 2 4 40648   
## BMW CI BMW CN BMW MINI   
## 2 2 2   
## BMW` BMW`1 BMW2S   
## 4 1 3   
## BMW740SI BMWV BMWVAL1995   
## 1 8 1   
## BMWVAL2003 BMWVAL2004 BMWVAL2005   
## 2 1 1   
## BMWVAL2006 BMWVAL2007 BMWVAL2009   
## 2 2 1   
## BMWVAL2011 BMWVAL2015 BMWVAL2016   
## 3 2 1   
## BMWX1 BMX BNMW   
## 1 23 2   
## BNW BNZ BOMW   
## 12 1 1   
## BONA BOOM BOSS   
## 1 19 6   
## BOUN BOUND BOX   
## 3 2 1   
## BOX TRK BOX TRUCK BRAN   
## 1 4 1   
## BRAVO BRI BRI-MAR   
## 1 1 13   
## BRI MAR BRIM BRIMAR   
## 10 34 3   
## BRMA BRMR BRP   
## 20 17 1   
## BRTL BRUICK BTEX   
## 2 6 2   
## BUCIK BUCK BUEL   
## 9 20 20   
## BUELL BUI BUI CK   
## 34 7 1   
## BUIC BUIC2 BUICJ   
## 2646 1 4   
## BUICK BUICK \\ BUICK 4DR   
## 8082 1 1   
## BUICK 4S BUICK TK BUICK VAN   
## 1 1 1   
## BUICK` BUICL BUIICK   
## 1 6 3   
## BUIK BUIX BULL   
## 38 1 10   
## BUS BUTL BUTLER   
## 8 5 10   
## BUUICK BUYANG BW   
## 1 16 6   
## BWI BWM BWN   
## 26 99 1   
## BWW BYUN C   
## 2 2 8   
## C HEV C300 CAAB   
## 1 3 1   
## CAADILLAC CAD CAD1   
## 1 202 1   
## CADA CADAILLIC CADAL   
## 1 4 1   
## CADALAC CADALIC CADALLAC   
## 6 29 17   
## CADALLIAC CADALLIC CADD   
## 5 35 1   
## CADDI CADDIE CADDILAC   
## 21 2 64   
## CADDILIAC CADDILLAC CADDY   
## 1 18 9   
## CADI CADI SUV CADI;AC   
## 6643 1 5   
## CADI4S CADIALLAC CADIALLIC   
## 1 10 1   
## CADII CADIILAC CADIL   
## 2 2 14   
## CADILAC CADILACGT CADILACK   
## 500 2 3   
## CADILIAC CADILIC CADILLA   
## 9 3 11   
## CADILLAC CADILLACE CADILLACQ   
## 6215 3 5   
## CADILLAD CADILLAIC CADILLAS   
## 1 1 3   
## CADILLAV CADILLIAC CADILLIC   
## 1 47 8   
## CADILLLAC CADIVAL2006 CADIVAL2012   
## 3 1 1   
## CADIVAL2014 CADL CADLI   
## 1 6 2   
## CADLLAC CADO CADU   
## 4 4 2   
## CADULLAC CADY CAFILLAC   
## 2 2 1   
## CAI CAIDILAC CAILLAC   
## 2 4 4   
## CALI CAM CAMA   
## 6 21 2   
## CAMARO CAMRY CAMY   
## 7 25 1   
## CAN AM CANNONDALE CANONDALE   
## 1 5 1   
## CAON CAPRICE CAR   
## 4 2 6   
## CARAVAN CARG CARGO   
## 1 13 12   
## CARGO MATE CARM CARR   
## 4 3 152   
## CARRY CARRY ALL CARRY ON   
## 3 3 21   
## CARY CASI CAT   
## 9 2 2   
## CATALAC CATR CBR   
## 5 9 1   
## CCC CCHEVY CDAI   
## 3 5 1   
## CDI CDILLAC CEHEV   
## 2 2 1   
## CEHEVROLET CEHV CEHVORLET   
## 1 18 12   
## CEHVROLET CEHVY CENTURY   
## 19 60 1   
## CERV CERVELO CEV   
## 3 1 16   
## CEVEROLET CEVROLET CEVY   
## 3 13 9   
## CGEV CGEVORLET CGEVY   
## 2 2 3   
## CGRYSLER CH CHAN   
## 2 2 6   
## CHAVY CHCHEVY CHDVY   
## 2 2 3   
## CHE CHE V CHE VY   
## 15 5 5   
## CHEB CHEBROLET CHEBY   
## 3 9 2   
## CHEC CHECK CHECROLET   
## 4 1 3   
## CHECVY CHECY CHEEVROLET   
## 3 24 4   
## CHEEVY CHEEY CHEN   
## 5 2 4   
## CHENY CHER CHEROKEE   
## 1 8 4   
## CHEROLET CHEROVET CHEROVLET   
## 43 1 5   
## CHERVOLET CHERVROLET CHESTERBUILT   
## 5 2 5   
## CHEV CHEV PICKUP CHEV (GEO)   
## 44605 1 4   
## CHEV GEO CHEV IMPALA CHEV.   
## 1 1 9   
## CHEV/GEO CHEV1 CHEV2D   
## 7 8 2   
## CHEVE CHEVERLET CHEVERLOET   
## 158 7 2   
## CHEVERLOT CHEVERLOTTE CHEVEROLET   
## 108 1 457   
## CHEVEROLRT CHEVEROLT CHEVEY   
## 1 9 124   
## CHEVF CHEVL CHEVLORET   
## 2 1 3   
## CHEVOLET CHEVOLETE CHEVOLLET   
## 19 2 1   
## CHEVOLRET CHEVORELET CHEVORELT   
## 2 1 4   
## CHEVORLET CHEVORLETT CHEVORLEY   
## 922 1 1   
## CHEVOROLET CHEVQ CHEVR   
## 10 6 25   
## CHEVRELET CHEVRELOT CHEVRLET   
## 5 1 31   
## CHEVRLETE CHEVRLETTE CHEVRLO   
## 9 1 1   
## CHEVRLOET CHEVRLOT CHEVRLOTE   
## 2 1 4   
## CHEVRO CHEVRO;ET CHEVROELET   
## 2 1 1   
## CHEVROELT CHEVROET CHEVROL   
## 2 20 1   
## CHEVROLE CHEVROLEET CHEVROLER   
## 6 2 5   
## CHEVROLERT CHEVROLET CHEVROLETE   
## 6 31891 16   
## CHEVROLETTE CHEVROLETY CHEVROLEY   
## 11 4 26   
## CHEVROLIET CHEVROLLET CHEVROLLETE   
## 1 2 2   
## CHEVROLOET CHEVROLRET CHEVROLT   
## 4 1 6   
## CHEVROLTET CHEVROLTT CHEVROLVER   
## 3 1 3   
## CHEVROLWT CHEVROOET CHEVROOLET   
## 2 1 2   
## CHEVRPLET CHEVRY CHEVT   
## 1 3 13   
## CHEVTOLET CHEVU CHEVVAL1984   
## 9 13 1   
## CHEVVAL1987 CHEVVAL1997 CHEVVAL2001   
## 1 3 1   
## CHEVVAL2002 CHEVVAL2003 CHEVVAL2004   
## 3 3 1   
## CHEVVAL2005 CHEVVAL2007 CHEVVAL2008   
## 2 3 1   
## CHEVVAL2013 CHEVVAL2014 CHEVVY   
## 7 1 3   
## CHEVY CHEVY CAMARO CHEVY GEO   
## 33645 2 10   
## CHEVY I CHEVY SUB CHEVY TK   
## 1 1 3   
## CHEVY TRAVERSE CHEVY VAN CHEVY4DR   
## 4 5 1   
## CHEVYC CHEVYQ CHEVYROLET   
## 3 3 31   
## CHEVYY CHEY CHEYSLER   
## 1 19 2   
## CHEYV CHEYY CHEZ   
## 1 3 2   
## CHHEVROLET CHHEVY CHHRYSLER   
## 1 1 4   
## CHICAGO CHIVY CHON   
## 1 1 4   
## CHONGOING CHR CHREVROLET   
## 8 17 2   
## CHREY CHREYSLER CHRIS   
## 4 8 1   
## CHRISL CHRISLER CHRISTLER   
## 1 45 1   
## CHRL CHRRYSLER CHRS   
## 1 5 2   
## CHRSLER CHRSLY CHRSLYER   
## 5 5 7   
## CHRSY CHRSYLER CHRSYSLER   
## 1 29 1   
## CHRTSLER CHRUS CHRUSLER   
## 2 1 11   
## CHRUSTLER CHRV CHRVEROLET   
## 1 5 1   
## CHRVROLET CHRVY CHRY   
## 5 3 9517   
## CHRY TK CHRY. CHRYA   
## 2 4 1   
## CHRYL CHRYLER CHRYLSER   
## 7 21 83   
## CHRYS CHRYSELER CHRYSELR   
## 807 2 2   
## CHRYSER CHRYSKER CHRYSL   
## 14 1 11   
## CHRYSLAR CHRYSLEER CHRYSLER   
## 1 8 12434   
## CHRYSLER 300 CHRYSLERQ CHRYSLERT   
## 1 1 1   
## CHRYSLET CHRYSLEY CHRYSLLER   
## 8 10 1   
## CHRYSLR CHRYSLTER CHRYSLYER   
## 3 12 1   
## CHRYST CHRYSTLAR CHRYSTLE   
## 4 1 1   
## CHRYSTLER CHRYSTLET CHRYSYLER   
## 542 1 1   
## CHRYVAL2000 CHRYVAL2004 CHRYVAL2006   
## 3 1 1   
## CHRYVAL2007 CHRYVAL2008 CHRYVAL2011   
## 2 2 1   
## CHRYXLER CHRYYSLER CHTY   
## 1 2 1   
## CHTYSLER CHUANL CHV   
## 1 4 10   
## CHVE CHVEOLET CHVEROLET   
## 2 1 3   
## CHVEY CHVORLET CHVRLOLET   
## 3 3 1   
## CHVROLET CHVY CHVYE   
## 18 34 1   
## CHWVY CHY CHYL   
## 1 20 3   
## CHYR CHYRL CHYRS   
## 39 1 4   
## CHYRSLER CHYRSLERR CHYRSTLER   
## 106 1 5   
## CHYRYSLER CHYS CHYSLER   
## 2 15 108   
## CHYST CHYSTLER CIDI   
## 1 4 6   
## CIMC CIVIC CIXIKINGRING   
## 2 18 8   
## CJEV CJEVROLET CJEVY   
## 1 5 2   
## CJHEVY CK CLAS   
## 1 2 1   
## CLUB CAR CMC CNEV   
## 3 5 1   
## CNRY COAC COACHMEN   
## 2 1 2   
## COBALT COBRA COGAR   
## 2 4 9   
## COLCO COLEMAN COLNAGO   
## 2 8 1   
## COLUMBIA CONCORDE CONT   
## 1 2 14   
## CONTINENTAL CONV COOLSTER   
## 4 2 4   
## COOP COOPER COPPER   
## 4 57 2   
## COROLLA CORV CORVETTE   
## 21 2 5   
## COT COTC COUGAR   
## 2 10 1   
## COXS CPI CRAFTSMAN   
## 1 5 7   
## CRAN CRANE CRANE CARRIER   
## 21 7 2   
## CRCA CRHRSLER CRHRY   
## 11 2 1   
## CRHY CRHYSLER CRISWELL   
## 3 1 6   
## CRNE CROS CROWN   
## 7 1 2   
## CRRY CRRYSLER CRUZ   
## 3 1 5   
## CRV CRY CRYH   
## 2 42 1   
## CRYL CRYLSER CRYN   
## 1 3 1   
## CRYO CRYS CRYSL   
## 2 93 3   
## CRYSLER CRYSLR CRYSTLER   
## 290 2 60   
## CUEVY CURA CUST   
## 1 7 1   
## CVEV CVEVROLET CYCC   
## 1 2 1   
## CYRSLER CYSLER CYSTLER   
## 4 2 2   
## D & D TRAILER D0DGE DA   
## 5 11 1   
## DADG DADGE DADI   
## 1 4 1   
## DAEW DAEWO DAEWOO   
## 19 1 56   
## DAEWOOD DAIMLER DAKOTA   
## 8 5 1   
## DANG FONG DANZ DANZER   
## 3 4 14   
## DASH DATS DATSUN   
## 7 16 10   
## DCION DDDGE DDGE   
## 4 1 6   
## DDODGE DDOGE DEALER   
## 11 3 5   
## DEISEL DELRAY DEMATA   
## 2 6 2   
## DENALI DF4958 DHEVROLET   
## 1 9 1   
## DHRY DIAM DIAMOND STAR   
## 1 3 5   
## DIAMOND T DIAMONDBACK DIDG   
## 6 6 1   
## DIDGE DIODGE DISCOVERY   
## 40 4 1   
## DLR DLR TAG DODGE DM   
## 1 2 11   
## DMW DO RAM DOD   
## 2 1 15   
## DODB DODDE DODDGE   
## 1 2 8   
## DODE DODEG DODEGE   
## 15 1 2   
## DODFE DODG DODG CARAVAN   
## 1 10415 1   
## DODGD DODGE DODGE DURANGO   
## 2 39336 4   
## DODGE RAM DODGE VAN DODGE/JEEP   
## 11 1 1   
## DODGECHEVY DODGEE DODGEG   
## 1 2 4   
## DODGEI DODGEQ DODGER   
## 3 6 1   
## DODGGE DODGR DODGVAL1998   
## 3 8 2   
## DODGVAL2000 DODGVAL2003 DODGVAL2006   
## 2 1 4   
## DODGVAL2008 DODGVAL2012 DODGVAL2013   
## 3 1 2   
## DODGVAL2014 DODGW DODHE   
## 2 8 6   
## DODKE DODODGE DODOGE   
## 2 3 1   
## DOEGE DOFGE DOGD   
## 1 3 2   
## DOGDE DOGE DOGG   
## 17 45 1   
## DOGGE DONDE DONF   
## 7 4 1   
## DONG DONG FANG DONGFANG   
## 4 1 26   
## DOODGE DORD DORS   
## 2 11 1   
## DOSG DOSGE DOTSON   
## 2 7 1   
## DRAM DTKON DUCA   
## 2 5 49   
## DUCADI DUCAT DUCATI   
## 3 3 91   
## DUCATTI DUCOTI DUDGE   
## 3 1 1   
## DUKATI DUMP DURANGO   
## 4 1 1   
## DYKO DYKON E-TON BEAMER   
## 3 6 3   
## E320 E350 EADU   
## 2 3 2   
## EAGL EAGLE EASY   
## 13 43 7   
## ECLIPSE ECOLINE ECON   
## 6 1 3   
## EDMP EEP EGIL   
## 1 5 12   
## ELANTRA ELDO ELGI   
## 9 1 1   
## EM EMGAUDI EPD   
## 2 1 3   
## EPO ERIC ERL   
## 28 1 1   
## ERZ ES-DUMP ESCALADE   
## 7 1 2   
## ESCO ESCORT ETO   
## 3 1 5   
## ETON EVEREST EXPEDITION   
## 3 2 1   
## EXTREEM SCOOTER EXTREME EXUS   
## 5 3 2   
## EZ EZ DUMPER EZDU   
## 9 1 8   
## EZDUMPER EZGO EZLO   
## 1 2 4   
## F0RD F150 F550   
## 3 3 1   
## F550FORD FABRIQUE FACE   
## 2 3 4   
## FANGYUE FAOTAO FD   
## 8 5 2   
## FED EX TK FEIGHTLINER FELT   
## 2 1 1   
## FERR FERRARI FFORD   
## 28 42 9   
## FHRT FHT FHTL   
## 11 2 2   
## FIA FIAT FIATVAL2012   
## 3 840 3   
## FINN FIRD FISK   
## 2 44 1   
## FIVE STAR FLAT FLEET   
## 10 6 1   
## FLORIDA FLY SCOOTER FLYER   
## 1 1 2   
## FMC FOCUS FOD   
## 2 2 20   
## FODE FODR FOED   
## 1 1 60   
## FOEDQ FONT FOOD   
## 1 1 1   
## FOORD FOR FORC   
## 6 85 2   
## FORD FORD . FORD / STERLING   
## 137680 1 3   
## FORD CAB FORD CROWN VIC FORD E250   
## 1 1 1   
## FORD E350 FORD EXPEDITION FORD F450   
## 1 2 1   
## FORD FUSION FORD MUSTANG FORD SUV   
## 1 1 1   
## FORD T FORD TK FORD VAN   
## 2 5 8   
## FORD` FORD1 FORD5   
## 4 3 2   
## FORDCN FORDD FORDE   
## 1 9 4   
## FORDM FORDQ FORDVAL1998   
## 1 8 1   
## FORDVAL1999 FORDVAL2000 FORDVAL2002   
## 1 2 2   
## FORDVAL2004 FORDVAL2006 FORDVAL2007   
## 2 2 5   
## FORDVAL2008 FORDVAL2009 FORDVAL2010   
## 3 1 2   
## FORDVAL2011 FORDVAL2012 FORDVAL2013   
## 1 4 2   
## FORDVAL2014 FORED FORF   
## 2 5 9   
## FORG FORJ FORK   
## 1 3 25   
## FORM FORN FOROD   
## 1 4 1   
## FORS FORSD FORT   
## 3 3 2   
## FOSTI FOTD FPHT   
## 2 1 1   
## FPRD FRAIGHT FRAIGHT LINER   
## 13 1 1   
## FRD FRDFORD FRE   
## 19 1 9   
## FREGHT FREI FREIGHLINER   
## 5 172 6   
## FREIGHLNR FREIGHT FREIGHT DS   
## 1 71 1   
## FREIGHT HAULER FREIGHT LINER FREIGHT LNR   
## 1 7 2   
## FREIGHT TK FREIGHT TRUCK FREIGHT VAN   
## 1 1 1   
## FREIGHTER FREIGHTL FREIGHTLIER   
## 2 6 1   
## FREIGHTLINE FREIGHTLINEER FREIGHTLINER   
## 3 1 559   
## FREIGHTLINRT FREIGHTLINTER FREIGHTLNR   
## 2 1 5   
## FREIGHTTK FREIGTLINER FRF   
## 2 1 1   
## FRG FRGH FRGHT   
## 2 6 17   
## FRGHTLINER FRGHTLINR FRGHTLNR   
## 1 1 9   
## FRGT FRH FRHHT   
## 3 1 1   
## FRHT FRHT TK FRHTLINER   
## 500 1 2   
## FRHTLNER FRHY FRIE   
## 1 1 2   
## FRIEGHTLINER FRIGHT FRIGHTLINER   
## 18 1 9   
## FRITO LAY TK FRLI FRNT   
## 1 2 1   
## FROD FRORD FRRW   
## 21 2 1   
## FRT FRT LINER FRTL   
## 26 2 26   
## FRUE TL FTL FTLR   
## 2 18 2   
## FTR FTWD FUJI   
## 1 1 5   
## FUSO GALV GATOR   
## 3 1 3   
## GC GDAN GDT   
## 1 1 1   
## GEIO GENA GENE   
## 1 1 9   
## GENERAL MOTOR GENERAL MOTORS GENESIS   
## 1 6 7   
## GENEVAL2002 GENEVAL2003 GENEVAL2005   
## 5 2 1   
## GENEVAL2008 GENSIS GENU   
## 1 1 12   
## GENUI GENUINE GENUINE SCOOTER   
## 1 6 6   
## GENUINE SCOOTER COMP GEO GEO(CHEVY)   
## 4 812 1   
## GEO/CHEVY GHOST GI   
## 1 2 1   
## GIANT GIANT DELIV VEH GIILIG   
## 4 1 2   
## GIL GILG GILL   
## 7 9 102   
## GILL BU GILLAG GILLEG   
## 2 2 1   
## GILLIG GILLIG LLC GILLIS   
## 59 1 4   
## GIO GLAV GM   
## 3 5 28   
## GMC GMC TK GMC TRUCK   
## 19468 1 1   
## GMC? GMCV GMD   
## 2 2 1   
## GMF GMG GMS   
## 1 2 5   
## GMT GMV GMX   
## 1 4 7   
## GMZ GNC GOCO   
## 2 16 1   
## GOE GOLD GOLDEN BEE   
## 3 11 5   
## GONDA GORD GORRILLA   
## 3 13 3   
## GOSH GRAND GRAND CHER   
## 3 1 1   
## GRAND CHEROKEE GRAND MARQ GRAND MARQUIS   
## 1 1 1   
## GRAND TENTON GRAY GREAT DANE   
## 1 5 2   
## GRECH GREEN GREEN POWER   
## 1 1 2   
## GROVE GRUMAN GRUMMAN   
## 1 3 8   
## GRUMMUN GS350 GT   
## 1 4 4   
## H D H0ND H0NDA   
## 1 2 7   
## H6NDA HACKNEY HAELEY   
## 2 1 5   
## HAND HANDA HARI   
## 1 9 2   
## HARL HARL DAV HARLEY   
## 37 1 119   
## HARLEY-DAVIDSON HARLEY DAVIDSO HARLEY D   
## 2 1 3   
## HARLEY DAV HARLEY DAVID HARLEY DAVIDSON   
## 6 1 149   
## HARLEYDAVIDSON HAUL HAWK   
## 3 22 11   
## HAYUNDI HCRY HD   
## 3 2 51   
## HD TRUCK HDSN HEAVY DUTY   
## 1 2 1   
## HEEO HEEP HEIL   
## 1 2 22   
## HENSIM HERCHEE HERTZ   
## 10 7 1   
## HEV HEVROLET HEVY   
## 2 3 8   
## HHONDA HHYUNDA HHYUNDAI   
## 11 1 3   
## HIA HIN HIN0   
## 3 6 1   
## HIND HINDA HINDO   
## 17 179 1   
## HINO HIOND HIONDA   
## 396 3 52   
## HISS HISSAN HIUNDAI   
## 2 2 23   
## HIUNDAY HIYUNDA HMC   
## 14 2 3   
## HMD HMDE HMST   
## 1 7 2   
## HND HNDA HNDYI   
## 3 74 1   
## HNO HNODA HOADA   
## 1 2 1   
## HOBDA HOCNDA HODA   
## 14 3 73   
## HODDA HODNA HOHD   
## 1 48 3   
## HOHDA HOIDNA HOIND   
## 1 1 1   
## HOINDA HOLM HOLNDA   
## 14 20 2   
## HOMD HOMDA HOME   
## 39 53 43   
## HOME MADE HOME TL HOMEMADE   
## 5 4 8   
## HOMESTEADER HOMNDA HOMS   
## 7 1 2   
## HON HON DA HONA   
## 138 1 104   
## HONAD HONADA HOND   
## 32 5 55888   
## HOND` HOND4D HOND4S   
## 1 1 1   
## HONDA HONDA 2D HONDA `CRV   
## 160230 1 2   
## HONDA 2S HONDA 4D HONDA 4DR   
## 2 3 1   
## HONDA ACC HONDA B HONDA CIVIC   
## 1 2 2   
## HONDA CIVIV HONDA CRV HONDA ELEMENT   
## 1 1 1   
## HONDA ODYSSEY HONDA] HONDA`   
## 1 1 20   
## HONDA1 HONDA2012 HONDA2D   
## 8 1 1   
## HONDA2DR HONDA4 HONDA4D   
## 1 1 2   
## HONDA9CP5696 HONDAA HONDAC   
## 1 9 1   
## HONDACAMRY HONDACIB= HONDACIV   
## 1 1 2   
## HONDACIVIC HONDACRV HONDAD   
## 4 3 5   
## HONDAHYUNDAI HONDAI HONDAJAGUAR   
## 1 7 1   
## HONDANISSAN HONDAQ HONDASILVER   
## 1 1 1   
## HONDAY HONDDA HONDM   
## 17 13 1   
## HONDQ HONDS HONDSA   
## 8 19 6   
## HONDTK HONDVA HONDVAL   
## 1 6 6   
## HONDVAL1994 HONDVAL1996 HONDVAL1998   
## 1 1 2   
## HONDVAL1999 HONDVAL2000 HONDVAL2002   
## 2 4 1   
## HONDVAL2003 HONDVAL2004 HONDVAL2005   
## 4 1 4   
## HONDVAL2006 HONDVAL2007 HONDVAL2008   
## 2 1 10   
## HONDVAL2009 HONDVAL2010 HONDVAL2011   
## 2 3 2   
## HONDVAL2012 HONDVAL2013 HONDVAL2014   
## 5 1 5   
## HONDVAL2015 HONDY HONF   
## 3 3 1   
## HONFA HONG HONGA   
## 3 6 10   
## HONHDA HONIDA HONND   
## 1 4 1   
## HONNDA HONODA HONS   
## 9 4 3   
## HONSA HONTD HOONDA   
## 4 1 9   
## HOOONDA HOYUNDAI HPNDA   
## 1 1 6   
## HT HTU HTUN   
## 1 1 2   
## HTUNDAI HUAND HUANDAI   
## 7 1 5   
## HUCA HUDAYI HUDS   
## 3 1 25   
## HUDSON HUFFY HUINDAY   
## 42 1 4   
## HUM HUMAN HUMAN-BEING   
## 3 17 2   
## HUMAN BEING HUMER HUMM   
## 9 5 258   
## HUMMER HUN HUND   
## 563 18 18   
## HUNDA HUNDAI HUNDAY   
## 3 147 42   
## HUNDAYI HUNDI HUNDY   
## 1 13 8   
## HUNDYAI HUNDYI HUNI   
## 1 7 1   
## HUNY HUSDON HUUDAI   
## 4 2 2   
## HUUN HUUNDAI HUY   
## 2 1 11   
## HUYAND HUYANDAI HUYANDI   
## 4 2 3   
## HUYDAI HUYDIA HUYN   
## 1 1 104   
## HUYNA HUYND HUYNDAI   
## 1 8 85   
## HUYNDAY HUYNDI HUYNDIA   
## 3 3 1   
## HUYUN HUYUND HUYUNDA   
## 1 4 1   
## HUYUNDAI HUYUNDI HUZH   
## 28 3 2   
## HUZHOU HWK HY   
## 7 1 4   
## HYAN HYANDAI HYANDAU   
## 5 114 1   
## HYANDI HYANDIA HYANDUAI   
## 5 5 9   
## HYANDUI HYAUNDAI HYAUNDI   
## 8 2 4   
## HYD HYDAI HYDAUI   
## 2 1 1   
## HYDR HYDU HYHUNDAI   
## 12 1 1   
## HYIDAI HYIN HYINDAI   
## 1 1 6   
## HYN HYND HYNDA   
## 77 84 2   
## HYNDAI HYNDAY HYNDI   
## 153 2 1   
## HYNDIA HYNDUAI HYNI   
## 3 1 1   
## HYNNDAI HYNU HYNUDAI   
## 4 3 2   
## HYNUNDAI HYTR HYU   
## 3 2 80   
## HYU N HYU NDAI HYU NDIA   
## 1 4 2   
## HYUADAI HYUAND1 HYUANDA   
## 1 1 1   
## HYUANDAI HYUANDI HYUB   
## 35 23 2   
## HYUBDAI HYUD HYUDA   
## 2 15 2   
## HYUDAI HYUDAY HYUDDAI   
## 100 3 1   
## HYUDIA HYUDNAI HYUH   
## 2 2 1   
## HYUM HYUMDAI HYUN   
## 1 11 18930   
## HYUN DAI HYUNA HYUNADAI   
## 2 1 23   
## HYUNADI HYUNAI HYUNANDI   
## 4 50 1   
## HYUND HYUND. HYUND1   
## 868 2 2   
## HYUNDA HYUNDA5 HYUNDAI   
## 204 4 28961   
## HYUNDAI GENESIS HYUNDAI/ HYUNDAI`   
## 2 1 6   
## HYUNDAIA HYUNDAIE HYUNDAII   
## 1 2 1   
## HYUNDAIN HYUNDAIQ HYUNDAIR   
## 2 1 6   
## HYUNDAIW HYUNDAO HYUNDAP   
## 4 1 1   
## HYUNDAU HYUNDAY HYUNDDIA   
## 32 163 1   
## HYUNDHI HYUNDI HYUNDIA   
## 5 254 461   
## HYUNDOIA HYUNDUI HYUNDY   
## 1 16 2   
## HYUNI HYUNNDAI HYUNSAI   
## 13 5 2   
## HYUNUDAI HYUNUNDAI HYUNVA   
## 1 4 1   
## HYUNVAL2000 HYUNVAL2005 HYUNVAL2008   
## 1 1 1   
## HYUNVAL2010 HYUNVAL2011 HYUNVAL2012   
## 1 1 2   
## HYUNVAL2013 HYUNVAL2014 HYUNVAL2015   
## 5 1 2   
## HYUUN HYUUNDAI HYYNDAI   
## 1 2 4   
## HYYUNDA HYYUNDAI I FINITI   
## 3 2 1   
## I8A IC ICEB   
## 1 10 1   
## ICEBEAR ICU IFIN   
## 3 1 1   
## IFINI IFINITI IFINITY   
## 3 10 6   
## IHC IKIA IMC   
## 13 1 1   
## IMPALA IMPALACHEVY IMPE   
## 3 1 1   
## INCOLN INDEPENDENT FAB INF   
## 2 2 182   
## INFF INFI INFII   
## 1 5583 1   
## INFIINIIT INFIINITI INFIINTI   
## 1 6 2   
## INFIIT INFIITI INFIITIT   
## 1 8 1   
## INFIITY INFIMITI INFIN   
## 1 5 360   
## INFINI INFINIETE INFINII   
## 56 1 2   
## INFINIITI INFININTI INFINIT   
## 5 3 102   
## INFINITA INFINITE INFINITI   
## 2 65 8265   
## INFINITI2012 INFINITIE INFINITIF   
## 3 1 6   
## INFINITII INFINITIT INFINITTI   
## 6 3 5   
## INFINITU INFINITY INFINITYI   
## 2 2178 1   
## INFINITYQ INFINITYY INFINIY   
## 1 2 2   
## INFINNITY INFINTE INFINTI   
## 3 6 135   
## INFINTIT INFINTY INFIT   
## 1 36 7   
## INFITI INFITNITE INFITY   
## 8 1 5   
## INFIVA INFIVAL INFIVAL2010   
## 1 1 1   
## INFIVAL2013 INFN INFNIITI   
## 1 5 2   
## INFNIITY INFNITI INFNITY   
## 2 15 16   
## INFNTI INFONITI INFT   
## 3 4 11   
## INGINITY INI INIF   
## 1 1 12   
## INIFI INIFINIT INIFINITI   
## 56 3 67   
## INIFINITY INIFINTY INIFITI   
## 11 4 11   
## INIFNITY ININITI ININITY   
## 2 4 1   
## INIT INT INT'L   
## 2 65 2   
## INTE INTEL INTENATIONAL   
## 152 3 2   
## INTER INTERCHANGEABLE INTERN   
## 24 2 7   
## INTERNA INTERNAL INTERNAT   
## 3 2 4   
## INTERNATI0NAL INTERNATINAL INTERNATIOAL   
## 1 5 5   
## INTERNATION INTERNATIONA INTERNATIONAL   
## 11 5 931   
## INTERNATIONAL D INTERNATIONL INTERNATL   
## 2 1 4   
## INTERNL INTERNTIONAL INTERTATIONAL   
## 1 3 1   
## INTL INTL TRUCK INTN   
## 955 1 1   
## INTNL INTO INTR   
## 2 5 12   
## INVINITI ION ISAN   
## 2 1 1   
## ISIZU ISSAN ISSU   
## 1 9 1   
## ISSUZU ISU ISUK   
## 4 756 10   
## ISUKU ISUS ISUSU   
## 1 5 13   
## ISUZ ISUZ TK ISUZE   
## 991 2 2   
## ISUZI ISUZO ISUZU   
## 3 9 2679   
## ISUZU RODEO ISUZUE ISUZUI   
## 1 1 2   
## ISUZVAL1998 ISZ ISZU   
## 1 3 25   
## ISZUU ISZUZU ITSUBISHI   
## 1 9 5   
## IUSUZU IUZU IVEC   
## 4 3 3   
## IZU IZUS IZUSU   
## 25 2 9   
## IZUZ IZUZU JADUAR   
## 2 179 2   
## JAG JAGJUAR JAGR   
## 212 1 1   
## JAGU JAGUA JAGUAR   
## 832 1 1860   
## JAGUUAR JAGUVAL1991 JAHUAR   
## 1 2 1   
## JAJUAR JAMIS JANGUAR   
## 1 1 1   
## JANIS JANUAR JAOTAO   
## 8 4 14   
## JAQUAR JATAO JAUAR   
## 17 6 4   
## JAUG JAUGUAR JAYCO   
## 2 3 1   
## JEE JEED JEEEP   
## 5 2 6   
## JEEF JEEK JEEM   
## 16 10 1   
## JEEO JEEP JEEP 4D   
## 12 33277 1   
## JEEP 4DR JEEP L JEEP TK   
## 1 1 2   
## JEEPD JEEPP JEEPQ   
## 1 1 1   
## JEEPSUV JEEPVAL1998 JEEPVAL1999   
## 1 1 1   
## JEEPVAL2010 JEEPVAL2014 JEESP   
## 2 2 1   
## JEET JEFF JEP   
## 1 1 15   
## JEPP JETAA JETTA   
## 4 4 18   
## JEVW JIA JIALING   
## 5 4 3   
## JIFF JJEEP JMPOWERSPORTS   
## 1 1 9   
## JMST JMSTAR POWER SP JOHN DEER   
## 1 4 3   
## JOHN DEERE JOND JONDA   
## 3 1 9   
## JONWAY JP JRRP   
## 35 1 4   
## JRTR JUGAR JWWP   
## 4 1 1   
## JYUNDAI KA KAASAKI   
## 1 6 3   
## KAFU KAI KAIS   
## 7 1 3   
## KAIT KAITONG KAKA   
## 3 3 1   
## KALW KARA KAUF   
## 1 14 22   
## KAUFMAN KAW KAWA   
## 5 27 31   
## KAWAS KAWASACKI KAWASAKE   
## 5 1 4   
## KAWASAKI KAWASAWKI KAWASKI   
## 578 5 28   
## KAWC KAWI KAWK   
## 2 17 180   
## KAWKISI KAWSAKI KAZDA   
## 4 3 2   
## KEEP KEEWAY KEN   
## 7 14 10   
## KEN WORTH KENALWORTH KENDON   
## 1 1 2   
## KENILWORTH KENIWERTH KENIWORTH   
## 16 1 3   
## KENMORE KENNELWORTH KENNILWORTH   
## 1 1 1   
## KENOWORTH KENTWORTH KENW   
## 1 1 119   
## KENWO KENWOOD KENWORT   
## 5 6 5   
## KENWORTH KENWORTHY KENWOTH   
## 316 1 1   
## KENWTR KEXS KEXU   
## 1 1 1   
## KEXUS KI KIA   
## 5 5 19786   
## KIA OPTIMA KIA VAN KIA4   
## 1 1 1   
## KIABLA KIAV KIAVAL   
## 1 5 1   
## KIAVAL2004 KIAVAL2005 KIAVAL2007   
## 1 1 1   
## KIDA KIIA KINC   
## 6 2 1   
## KING RING KINGRING KINO   
## 5 2 1   
## KIO KIS KIW   
## 3 10 1   
## KLR KMCO KOEHRING   
## 5 1 1   
## KONA KOWASAKI KRAF   
## 1 1 5   
## KRAFT KRYS KRYSTAL   
## 3 1 1   
## KTM KUBOTA KW   
## 22 11 141   
## KWAK KWASAKI KWDT   
## 4 1 1   
## KWENWORTH KYCO KYMC   
## 1 3 10   
## KYMCO KYMOCO L ROVER   
## 72 4 1   
## L300 LA JOLLA LA ND ROVER   
## 4 1 4   
## LAD ROVER LAM LAMB   
## 4 1 3   
## LAMBO LAMBORGHINI LAMO   
## 9 2 7   
## LAN ROVER LANCASTER LAND   
## 4 1 115   
## LAND ROVER LAND OVER LAND RANGER   
## 2 6 1   
## LAND RAOVER LAND ROAVER LAND ROER   
## 1 1 1   
## LAND ROV LAND ROVER LAND ROVR   
## 14 1721 1   
## LAND ROVWR LAND RVER LAND RVR   
## 1 1 4   
## LANDCRU LANDCRUISER LANDCRUSIER   
## 1 5 2   
## LANDDROVER LANDOVER LANDR   
## 1 11 15   
## LANDR ROVER LANDRO LANDROER   
## 1 1 2   
## LANDROV LANDROVE LANDROVER   
## 6 1 791   
## LANDRVR LANDVAL2012 LANDVAL2013   
## 6 1 1   
## LANDVAL2015 LANK LANR   
## 1 2 27   
## LANRO LANROVER LARO   
## 3 5 13   
## LB50 LDRV LE   
## 8 2 1   
## LEEXUS LEIK LEIKE   
## 3 2 20   
## LEMUS LEON LEONARD   
## 2 6 3   
## LES LESL LESUS   
## 2 1 6   
## LESUX LESXUS LEUS   
## 1 2 14   
## LEUX LEVU LEVUS   
## 3 1 5   
## LEX LEXAS LEXES   
## 599 23 4   
## LEXI LEXIS LEXIU   
## 10 52 1   
## LEXIUS LEXO LEXS   
## 1 1 4120   
## LEXSUS LEXU LEXUA   
## 35 5057 1   
## LEXUAS LEXUC LEXUD   
## 1 1 1   
## LEXUE LEXUES LEXUS   
## 2 10 24004   
## LEXUS 4D LEXUS 4S LEXUS`   
## 2 1 1   
## LEXUS4D LEXUS4DR LEXUSQ   
## 4 1 1   
## LEXUSS LEXUSTR LEXUUS   
## 2 1 3   
## LEXUVAL1992 LEXUVAL2003 LEXUVAL2004   
## 1 1 2   
## LEXUVAL2006 LEXUVAL2008 LEXUVAL2010   
## 1 1 1   
## LEXUVAL2011 LEXUX LEXUXS   
## 1 27 2   
## LEXUXUS LEXUZ LEXUZS   
## 1 12 1   
## LEXXS LEXXUS LEXZ   
## 1 1 1   
## LEZUS LIA LIC   
## 1 1 3   
## LICN LICOLIN LICOLN   
## 1 2 22   
## LIEBHERR LIEKE LIINCOLN   
## 3 8 5   
## LIN LINC LINC TRUCK   
## 16 3065 4   
## LINCILN LINCILNBL LINCL   
## 1 1 4   
## LINCLN LINCLON LINCO   
## 8 3 2   
## LINCOKN LINCOL LINCOLB   
## 1 12 1   
## LINCOLCN LINCOLIN LINCOLM   
## 2 23 2   
## LINCOLN LINCOLNN LINCON   
## 5728 1 50   
## LINCONLN LINCVAL2000 LINCVAL2001   
## 2 1 2   
## LINCVAL2002 LINGYU LINK   
## 1 3 1   
## LINNC LINNCOLN LINVOLN   
## 1 4 2   
## LITESPEED LLEX LLV   
## 1 1 1   
## LMAND ROVER LNCI LND   
## 1 1 2   
## LND ROV LND ROVER LND RV   
## 1 1 1   
## LND RVR LNDR LNDROVER   
## 2 897 7   
## LNDRVR LNRR LNRV   
## 2 2 1   
## LNRVR LOAD LOAD TRAIL   
## 1 18 7   
## LOAD TRAILER LOBO LODA   
## 2 1 27   
## LODAL LONCIN 110CC LONCOLN   
## 4 7 6   
## LONG LONGBO LORI   
## 2 1 2   
## LOTR LOTU LOTUS   
## 7 11 16   
## LOUTUS LRD400 LROV   
## 1 4 2   
## LRSN LRXUS LTE   
## 1 3 2   
## LUXU LUXUS LXUS   
## 2 28 5   
## LYMOUTH LYNX M-BENZ   
## 1 4 1   
## M BENZ M/BENZ M34Z   
## 8 2 6   
## MAC MACDA MACH   
## 5 2 1   
## MACK MACK TRUCK MACL   
## 1046 3 8   
## MAD MADA MADAZA   
## 29 25 1   
## MADD MADZ MADZA   
## 1 30 117   
## MADZDA MAIL MAKE   
## 11 1 2   
## MALIBU MARC MARCEDEZ   
## 11 4 1   
## MARCZ MARM MARMON   
## 2 1 5   
## MAROON MARYLAND MARZ   
## 5 1 7   
## MAS MASARATI MASARATTI   
## 3 4 1   
## MASD MASDA MASDIA   
## 1 5 2   
## MASE MASER MASERADI   
## 101 5 2   
## MASERAII MASERATI MASERATTI   
## 1 214 16   
## MASERITI MASERITTI MASERSTI   
## 2 1 7   
## MASERTI MASR MAST   
## 1 2 169   
## MAST TL MASTER MASTER TRACK   
## 2 15 2   
## MASTERCRAFT MASTERLOAD MASTERTRAC   
## 3 1 2   
## MASTERTRACK MASTERTRAK MASZ   
## 6 4 1   
## MATL MATR MATRIX   
## 2 3 2   
## MAVDA MAWO MAXD   
## 2 1 4   
## MAXDA MAXIMA MAXUM   
## 17 9 1   
## MAYB MAYBACH MAZ   
## 1 4 210   
## MAZ4S MAZA MAZAD   
## 1 58 1   
## MAZADA MAZC MAZD   
## 220 1 7411   
## MAZD SW MAZD3 MAZDA   
## 5 1 21358   
## MAZDA 3 MAZDA 6 MAZDA`   
## 3 2 2   
## MAZDA3 MAZDA5 MAZDA6   
## 6 1 3   
## MAZDAD MAZDS MAZDVA   
## 1 1 2   
## MAZDVAL1999 MAZDVAL2004 MAZDVAL2007   
## 1 1 1   
## MAZDVAL2008 MAZDVAL2010 MAZDVAL2011   
## 1 2 3   
## MAZDVAL2013 MAZDVAL2014 MAZDVAL2015   
## 1 1 2   
## MAZDZ MAZFA MAZRA   
## 10 6 1   
## MAZS MAZSA MAZZDA   
## 3 7 2   
## MB MBENZ MBW   
## 70 23 9   
## MBY MC MCELRATH   
## 2 6 8   
## MCI MCIN MCLA   
## 23 6 1   
## MCLAREN MD MDX   
## 8 18 2   
## MEBE MEBZ MECE   
## 15 8 1   
## MECEDES MECEDEZ MECERDES   
## 26 9 2   
## MECRURY MECURT MECURY   
## 1 2 58   
## MECURYMERCURY MEERCEDES MEES   
## 1 2 1   
## MEITIAN MER MER-BENZ   
## 4 109 4   
## MER BENZ MER URY MER/BENZ   
## 1 3 1   
## MERA MERB MERBENZ   
## 2 1 1   
## MERC MERC BENZ MERC BNZ   
## 5398 85 7   
## MERC DODGE MERC EDES MERC. BENZ   
## 2 2 6   
## MERCADE-BENZ MERCADE BENZ MERCADES   
## 1 2 68   
## MERCADES-BENZ MERCADEZ MERCB   
## 5 13 2   
## MERCBEN MERCBZ MERCCDES BENZ   
## 1 1 2   
## MERCCURY MERCD MERCDES   
## 3 1 17   
## MERCDEZ MERCDZ MERCE   
## 1 5 19   
## MERCE-BENZ MERCEADES MERCED   
## 4 1 24   
## MERCEDE MERCEDEA MERCEDEC   
## 9 3 1   
## MERCEDED MERCEDEDS MERCEDEES   
## 5 5 24   
## MERCEDES MERCEDES- BENZ MERCEDES-BENS   
## 12969 1 1   
## MERCEDES-BENZ MERCEDES-BNZ MERCEDES BE NZ   
## 288 1 1   
## MERCEDES AMG MERCEDES BANZ MERCEDES BEMZ   
## 1 2 2   
## MERCEDES BEN MERCEDES BENX MERCEDES BENZ   
## 1 4 1212   
## MERCEDES BENZE MERCEDES C300 MERCEDES ENZ   
## 4 3 5   
## MERCEDES MENZ MERCEDES TK MERCEDESBENZ   
## 3 1 5   
## MERCEDESE MERCEDEX MERCEDEZ   
## 8 2 1803   
## MERCEDEZ-BENZ MERCEDEZ BEN MERCEDEZ BENS   
## 14 1 1   
## MERCEDEZ BENZ MERCEDEZ BNZ MERCEDEZ/AMG   
## 145 3 2   
## MERCEDEZQ MERCEDIES MERCEDS   
## 1 1 31   
## MERCEDS BENZ MERCEDZ MERCEDZ BENZ   
## 5 2 3   
## MERCEEDES MERCENDES MERCERDES   
## 1 3 2   
## MERCERY MERCES MERCESDES   
## 15 2 5   
## MERCESED MERCEZ MERCHURY   
## 1 1 2   
## MERCIDEZ MERCQ MERCRUY   
## 2 6 13   
## MERCRY MERCS MERCSDEZ   
## 1 1 1   
## MERCU MERCUCY MERCUR   
## 9 1 8   
## MERCURAY MERCURI MERCURT   
## 1 2 1   
## MERCURY MERCUY MERCVAL1971   
## 4996 1 1   
## MERCVAL1993 MERCVAL2000 MERCVAL2001   
## 1 1 3   
## MERCVAL2004 MERCVAL2006 MERCVAL2007   
## 1 2 2   
## MERCVAL2011 MERCVAL2012 MERCVAL2013   
## 1 3 2   
## MERCVAL2014 MERCY MERCYRT   
## 1 3 1   
## MERCZ MERCZDEZ MERD   
## 21 1 1   
## MERDECES BENZ MERDEDES MERDZ   
## 1 3 10   
## MEREC MERECEDES MERECEDES BENZ   
## 2 21 1   
## MEREDES MERK MERQ   
## 6 4 2   
## MERQUIS MERRZ MERS   
## 2 1 7   
## MERSEDE MERSEDES MERSEDES-BENZ   
## 1 1 1   
## MERSEDEZ MERTZ MERURY   
## 2 2 7   
## MERV MERVEDES MERVEDEZ   
## 1 1 1   
## MERX MERXZ MERZ   
## 9 1 21796   
## MERZ-BENX MERZ-BENZ MERZ B   
## 1 1 7   
## MERZ BENZ MERZ4S MERZADES   
## 216 1 5   
## MERZADEZ MERZB MERZBEN   
## 4 2 1   
## MERZBENZ MERZCEDES MERZCEDES BENZE   
## 1 2 1   
## MERZD MERZDS MERZE   
## 8 1 1   
## MERZEDE MERZEDES MERZEDES BENZ   
## 1 110 1   
## MERZEDS MERZS MERZZ   
## 3 2 2   
## METRO METROPOLITAN METZ   
## 4 4 1   
## MEZ MEZDA MG   
## 9 1 16   
## MI/F MI/FU MIAT   
## 2 4 6   
## MICR MIFU MIITS   
## 1 31 15   
## MIITSUBISHI MILL MIMI   
## 2 1 2   
## MIN MIN COOPER MINC   
## 10 1 1   
## MINI MINI COOP MINI C   
## 2951 2 1   
## MINI CN MINI COOP MINI COOPER   
## 1 8 153   
## MINI2D MINIBIKE MINICOOP   
## 1 8 4   
## MINICOOPER MINII MININ   
## 15 2 1   
## MINIVAL2006 MINIVAL2009 MINIVAL2011   
## 3 1 1   
## MINIVAL2013 MINIVAL2014 MINJI   
## 1 2 1   
## MINNI MINNI COOPER MINNIAN   
## 39 1 1   
## MINO MIRS MIS   
## 1 4 6   
## MISA MISBSHI MISS   
## 1 2 26   
## MISSAN MISSIBISHI MISSUBISHI   
## 31 5 1   
## MIST MISTH MISTI   
## 32 3 3   
## MISTS MISTSUBISHI MISTU   
## 4 16 5   
## MISTUBISHI MISTUBUISHI MISTUSUBISHI   
## 56 1 1   
## MISUBISHI MIT MITA   
## 11 75 1   
## MITBUBISHI MITCH MITI   
## 1 1 15   
## MITIBISHI MITIBSHI MITIS   
## 3 2 35   
## MITISBISHI MITISHBI MITISHBSHI   
## 12 4 4   
## MITISHIBHI MITISHIBI MITISHIBISHI   
## 2 10 8   
## MITISHIBITSH MITISHIBSHI MITISIBISHI   
## 4 1 8   
## MITISUBISHI MITISUBUSHI MITS   
## 19 1 9702   
## MITS. MITS/FUSO MITSABUSHI   
## 4 1 8   
## MITSB MITSBISHI MITSBISHII   
## 12 19 1   
## MITSBUISHI MITSBUSHI MITSH   
## 3 3 6   
## MITSHBISHI MITSHIBI MITSHIBISHI   
## 3 1 2   
## MITSHIBSHI MITSHUBISHI MITSHUBITSHI   
## 2 28 1   
## MITSI MITSIBISH MITSIBISHI   
## 8 10 63   
## MITSIBUSHI MITSIUBISHI MITSU   
## 14 1 373   
## MITSUB MITSUBASHI MITSUBESHI   
## 22 1 1   
## MITSUBHI MITSUBICHI MITSUBIGHI   
## 1 2 1   
## MITSUBIHI MITSUBIISHI MITSUBIS   
## 20 1 1   
## MITSUBISGU MITSUBISH MITSUBISHI   
## 1 31 7214   
## MITSUBISHI N-24 MITSUBISHI` MITSUBISHIE   
## 3 1 4   
## MITSUBISHIT MITSUBISHU MITSUBISHUI   
## 1 2 12   
## MITSUBISI MITSUBISIH MITSUBISIU   
## 2 2 2   
## MITSUBISSHI MITSUBISUI MITSUBITSHI   
## 17 6 3   
## MITSUBITU MITSUBSHI MITSUBSHI2DR   
## 1 62 3   
## MITSUBUISHI MITSUBUSHI MITSUBUSHU   
## 4 70 1   
## MITSUH. MITSUHISHI MITSUIBISHI   
## 1 2 6   
## MITSUISHI MITSUNSHI MITSUSHI   
## 1 2 8   
## MITSUUBISHI MITSVAL2001 MITSVAL2006   
## 1 4 1   
## MITSVAL2014 MITT MITTS   
## 1 3 62   
## MITTSIBTI MITTSUBISHI MITU   
## 1 30 5   
## MITUBISHI MITUBISHI` MITUSBISHI   
## 36 1 12   
## MITUSHISHI MITXS MITXUBISHI   
## 1 1 6   
## MITZ MITZIBISHI MITZIBUSHI   
## 492 1 2   
## MITZU MITZUBISHI MIZUBISHI   
## 15 44 1   
## MMERCEDES MMERZ MNI   
## 4 2 8   
## MNI COOPER MNNI MNW   
## 1 297 1   
## MOBED MODD MODZ   
## 10 1 2   
## MONDA MONGOOSE MONT   
## 1 15 2   
## MONTECARLO MOPED MORGAN   
## 2 4 1   
## MORI MORITZ MOTIVE   
## 2 2 1   
## MOTO GUZZI MOTOBRAVO MOTOR   
## 1 4 4   
## MOTOR SCOOTER MOTORELI MOTORIZED   
## 3 5 1   
## MOTOVOX MOTRA MOTSUBISHI   
## 3 2 2   
## MOUNTAINEER MOZDA MRC   
## 1 4 2   
## MRC BENZ MRCB MRCD   
## 1 2 1   
## MRCEDES MRCEDES-BENZ MRCEDEZ   
## 9 5 2   
## MRCERDEZ MRCURY MRCY   
## 1 1 1   
## MREC MRECEDES MRECEDEZ   
## 5 6 2   
## MRECURY MREZ MRRZ   
## 1 36 2   
## MRZ MRZD MSAERADI   
## 12 2 3   
## MSTR MT MTIS   
## 3 3 7   
## MTS MTSBSHI MTSUBISHI   
## 12 1 2   
## MTT MTZ MUMMER   
## 1 2 1   
## MUR MURANO MURC   
## 2 1 7   
## MURCARY MURCRY MURCURY   
## 1 1 10   
## MURRAY MUSTANG MVAG   
## 11 38 1   
## MW MZADA MZD   
## 11 1 3   
## MZDA N/A N9SSAN   
## 8 44 1   
## NAIS NARD NAVI   
## 1 2 1   
## NAZDA NDMC NECR   
## 9 28 1   
## NEO NEON NERCEDES   
## 1 3 4   
## NERCEDEZ NERCURY NERZ   
## 2 1 3   
## NEW FLUER NEW FLYER NEW HOLLAND   
## 1 72 2   
## NEW YORKER NEWFLYER NEWVAL2006   
## 3 1 1   
## NEXT NFLY NIAAN   
## 4 4 1   
## NIAASAN NIASSAN NIDSSAN   
## 6 1 3   
## NIFINITI NII NIIS   
## 1 1 1   
## NIISAN NIISS NIISSAN   
## 2 2 19   
## NIISSIAN NIITRO NIMR   
## 1 3 1   
## NINGBO NINMBO NINSAN   
## 7 5 1   
## NINSSAN NIS NISAAN   
## 1 35 18   
## NISAN NISANO NISASAN   
## 145 2 1   
## NISD NISIAN NISN   
## 1 6 5   
## NISS NISS 4DR NISS 4S   
## 32487 1 1   
## NISS. NISSA NISSA N   
## 1 183 10   
## NISSAAN NISSAB NISSAIN   
## 9 14 2   
## NISSAK NISSAL NISSAM   
## 1 2 36   
## NISSAN NISSAN / UD NISSAN 4DR   
## 79385 5 1   
## NISSAN 4S NISSAN ALTIMA NISSAN FRONTEIR   
## 7 1 4   
## NISSAN FRONTIER NISSAN HD NISSAN MAXIMA   
## 2 1 1   
## NISSAN MURANO NISSAN QUEST NISSAN SENTRA   
## 1 3 5   
## NISSAN SUV NISSAN TK NISSAN`   
## 1 1 2   
## NISSANA NISSANM NISSANMAXIMA   
## 14 2 1   
## NISSANN NISSANO NISSANS   
## 4 1 4   
## NISSANSENTRA NISSAS NISSASN   
## 2 7 11   
## NISSAV NISSEN NISSI   
## 1 1 1   
## NISSIAM NISSIAN NISSIN   
## 1 1121 4   
## NISSINA NISSION NISSN   
## 1 3 24   
## NISSNA NISSON NISSS   
## 9 32 2   
## NISSSAN NISSSN NISSVAL1996   
## 27 5 7   
## NISSVAL1999 NISSVAL2003 NISSVAL2005   
## 4 1 1   
## NISSVAL2007 NISSVAL2008 NISSVAL2010   
## 1 2 1   
## NISSVAL2011 NISSVAL2012 NISSVAL2013   
## 3 2 2   
## NISSVAL2014 NISSVAL2015 NISSVAN   
## 2 1 1   
## NISU NITS NIXX   
## 1 3 3   
## NIZZAN NMERX NMW   
## 11 1 1   
## NNISAN NNISS NNISSAN   
## 2 2 9   
## NNT NO VEHICLE NODA   
## 16 2 1   
## NOISSAN NOLKSWAGEN NOND   
## 1 1 4   
## NONE NOSSAN NP   
## 9121 6 1   
## NPR NSS NSSAN   
## 4 7 35   
## NSSIAN NSSSAN NT   
## 2 1 2   
## NUISSAN NUS NUSSAN   
## 1 4 5   
## NWFL NYUNDAI ODGE   
## 3 1 6   
## ODLS ODS ODYSSEY   
## 1 3 1   
## OIYOTA OLD OLD MOBILE   
## 2 4 3   
## OLDESMOBILE OLDMOBILE OLDMOBLIE   
## 1 26 1   
## OLDS OLDS MOBILE OLDSMOBIL   
## 1407 13 6   
## OLDSMOBILE OLDSMOBILE` OLDSMOBLE   
## 1096 2 2   
## OLDSMOBLIE OLDSMOBOLE OLDSMOILE   
## 1 1 8   
## OLDSVAL1994 OLDSVAL2002 OLDSVAL2003   
## 1 1 1   
## OLK OLKSWAGON OLS   
## 4 1 1   
## OLSMOBILE OND ONDA   
## 15 2 23   
## ONTL OOTA OPTIMA   
## 1 1 4   
## ORBEA ORD ORI   
## 1 33 2   
## ORINO ORIO ORION   
## 1 11 65   
## ORKH OTHE OTHER   
## 1 1 7   
## OTHR OUTB OUTBACK   
## 10 1 2   
## OYO OYOTA OYOYA   
## 2 13 1   
## OYT P0NTIAC P4D   
## 1 2 1   
## PAAM PACE PACE SPORT   
## 4 17 1   
## PAGSTA PAMR PASEO   
## 2 4 2   
## PASSAT PATH PB   
## 15 1 1   
## PEACE SPORTS PED PEDESTRIAN   
## 4 1 17   
## PEGU PENSKE PEOPLE   
## 4 11 5   
## PEQU PERM PERO   
## 13 5 8   
## PERQ PERSON PET   
## 4 3 6   
## PETE PETEBULIT PETER   
## 189 1 11   
## PETER BUILT PETER CON PETERB   
## 10 3 2   
## PETERBELT PETERBILT PETERBLT   
## 1 197 1   
## PETERBU;LT PETERBUILT PETERBULIT   
## 4 194 1   
## PETERBULT PETR PEUG   
## 5 4 3   
## PHB PIAGGIO PIER SPEED   
## 1 4 6   
## PILOT PINT PITERBUILT   
## 2 1 1   
## PJ PJTM PJTR   
## 1 7 8   
## PLDS PLMONTH PLMOUTH   
## 1 3 2   
## PLMTH PLUMOUTH PLY   
## 1 1 10   
## PLYM PLYMONTH PLYMOTH   
## 577 1 28   
## PLYMOUNTH PLYMOUTH PLYMOUYH   
## 1 877 1   
## PLYMUTH PLYN PMW   
## 2 1 1   
## PNT POBTIAC POCH   
## 9 4 1   
## POES POINT POINTIAC   
## 1 3 16   
## POIR POLA POLARIS   
## 1 3 7   
## POLC POLS POMT   
## 2 3 3   
## POMTIAC PON PONATIAC   
## 5 2 1   
## PONIAC PONIATIC PONIC   
## 15 3 7   
## PONIT PONITAC PONT   
## 1 8 3689   
## PONT. PONT4S PONTAC   
## 2 1 6   
## PONTAIC PONTANIC PONTATIC   
## 19 3 1   
## PONTI PONTIA PONTIAC   
## 6 3 6251   
## PONTIAC` PONTIACC PONTIACE   
## 3 1 1   
## PONTIACQ PONTIAN PONTIAV   
## 2 2 4   
## PONTIC PONTICA PONTICAS   
## 10 6 1   
## PONTOAC PONTVAL2000 PONTVAL2001   
## 4 1 1   
## PONTVAL2006 PONY PONYIAC   
## 1 6 7   
## POONTIAC POPNTIAC POR   
## 1 4 6   
## PORC PORCH PORCHA   
## 19 11 1   
## PORCHE PORCHIA PORCHSE   
## 103 1 3   
## PORCSCHE PORCSHE PORECHE   
## 3 1 2   
## PORS PORSC PORSCE   
## 894 3 8   
## PORSCGE PORSCH PORSCHA   
## 1 21 1   
## PORSCHE PORSH PORSH1   
## 1205 23 1   
## PORSHCE PORSHE PORSVAL2013   
## 1 80 1   
## POSH POSSLEXU POTIAC   
## 3 1 7   
## PRCH PREI PREM   
## 2 1 101   
## PREMIER PREV PREVOST   
## 4 1 5   
## PRIM PRIUS PRO STAR   
## 2 10 1   
## PROSCHE PRRSC PRRSCHE   
## 1 1 2   
## PRSCHE PSD PT   
## 4 2 5   
## PT CRUISER PTERBILT PTR8   
## 3 2 1   
## PTRB PTRB TK PTRBLT   
## 183 2 1   
## PYLMOUTH PYMOUTH Q   
## 2 5 1   
## Q5 QACURA QIANG JIAN   
## 6 2 2   
## QIYE QLDS QLINK   
## 2 9 16   
## QUALITY QUALITY STEEL QUALITY TRAILER   
## 9 1 4   
## QUIC QX4 R   
## 1 1 1   
## RAINGE ROVER RALEIGH RALLY   
## 1 7 4   
## RAM RAMB RAMCV   
## 659 1 2   
## RANFE ROVER RANG RANG ROV   
## 2 246 1   
## RANG ROVER RANGE RANGE ROVER   
## 17 68 4   
## RANGE R RANGE ROV RANGE ROVER   
## 2 16 997   
## RANGE ROVR RANGE RV RANGE RVER   
## 1 3 3   
## RANGE RVR RANGER RANGER ROVER   
## 9 6 6   
## RANGEROVER RANGERVR RANGEVROVER   
## 24 1 1   
## RANGROV RANGROVER RANGSUV   
## 3 2 1   
## RANNGE RAPTOR RAV   
## 3 6 3   
## RAV 4 RAV4 RAVE   
## 1 9 1   
## RAZOR RDX RED   
## 4 7 8   
## REDLINE REGAL REIS   
## 2 1 2   
## REISER RENEGADE RIDE   
## 6 2 1   
## RIDE-ON RIDE ON RIDEON   
## 1 12 3   
## RIDGE RIELLA RIO   
## 1 5 1   
## RNG ROV RNG ROVER RNG RVR   
## 1 2 2   
## RO VER ROAD ROCK   
## 1 8 2   
## ROD RODGE ROGE   
## 8 3 1   
## ROGUE ROGUENISSAN ROKETA   
## 1 2 2   
## ROLCE ROYCE ROLL ROLLS   
## 1 2 1   
## ROLLS-ROYCE ROLLS ROYCE ROLS   
## 4 7 2   
## RORD ROUTER ROV   
## 4 15 62   
## ROVER ROYAL ROYAL ENFIELD   
## 9 1 7   
## ROYC ROYOTA RUKUS   
## 1 2 2   
## RYDER S S M E   
## 2 1 1   
## S550 SAA SAAB   
## 6 221 2260   
## SAABVAL2008 SAABVAL2010 SAB   
## 1 2 4   
## SABARU SABB SABLE   
## 14 38 2   
## SABU SABUA SABURU   
## 8 1 3   
## SAG SARN SARURN   
## 1 1 1   
## SAT SATARN SATERN   
## 69 4 1   
## SATN SATR SATRN   
## 4 233 10   
## SATRUN SATU SATUN   
## 7 1275 4   
## SATUR SATURAN SATURB   
## 16 5 4   
## SATUREN SATURM SATURN   
## 8 1 5243   
## SATURN SW SATURNE SATURNQ   
## 6 6 2   
## SATURRN SATUTN SATUVAL2002   
## 6 7 1   
## SAURN SAUTN SAYURN   
## 4 1 1   
## SAZUKI SBARU SC400 2D   
## 2 1 1   
## SCENIC VIEW SCHOOL SCHOOL BUS   
## 2 2 1   
## SCHWINN SCI SCIAON   
## 4 9 1   
## SCID SCIN SCIO   
## 1 1 753   
## SCION SCION XD SCION/TOYOTA   
## 5544 1 1   
## SCIONE SCIONIA SCIONQ   
## 2 4 2   
## SCOIN SCON SCOOTER   
## 5 5 20   
## SCOTT SCUR SCURA   
## 1 1 2   
## SCWINN SE SEBRING   
## 3 2 5   
## SEDAN SENTRA SGR   
## 2 5 1   
## SHANGHAI SHANGHAI JIMSTA SHANGHAI MEITAN   
## 24 2 2   
## SHANGHAI SHENKE SHANHAIE SHELBY REPL   
## 3 7 1   
## SHEV SHOR SHORE   
## 1 3 1   
## SHORELANDER SHUTTLE BUS SI   
## 1 2 6   
## SICAN SICION SICO   
## 1 1 1   
## SICON SIEN SIENNA   
## 8 1 1   
## SIERRA SILVER SILVER VOLVO   
## 1 13 1   
## SILVERADO SION SISSAN   
## 5 43 2   
## SIZI SKY INC SKYL   
## 1 5 1   
## SLANTRA SLINGSHOT SMAR   
## 1 4 21   
## SMART SMART CAR SMARTC   
## 262 10 1   
## SMARTCAR SMARVAL SMARVAL2010   
## 9 1 1   
## SME SMITH SMRT   
## 1 1 85   
## SNPR SOL SOLARA   
## 2 3 1   
## SONATA SONATAHYUNDAI SOSGE   
## 8 1 1   
## SPECIALIZED SPNR SPOR   
## 5 11 1   
## SPRINT SPRINTER SQUINOX   
## 2 16 1   
## SSA SSAB SSR   
## 2 3 34   
## SSSB STACRAFT STAR   
## 1 1 18   
## STAR TRANS STARCRAFT STATURN   
## 2 13 4   
## STAURN STCR STEERLING   
## 8 1 1   
## STER STERILITY STERL   
## 61 1 5   
## STERLIG STERLING STIRLING   
## 5 168 6   
## STLG STR STRATUS   
## 22 2 2   
## STRG STRN STS   
## 30 662 2   
## STURN SU SU BARU   
## 2 5 4   
## SUA SUARU SUB   
## 1 2 442   
## SUB ARU SUB4DR SUBA   
## 1 1 6990   
## SUBAA SUBAARU SUBABU   
## 1 5 2   
## SUBAEU SUBAR SUBARA   
## 2 32 14   
## SUBARAU SUBARBU SUBARI   
## 7 3 5   
## SUBARO SUBARU SUBARU S/W   
## 3 13224 1   
## SUBARUA SUBARUE SUBARUI   
## 2 1 2   
## SUBARULEGACY SUBARUU SUBARY   
## 3 1 11   
## SUBAU SUBAUR SUBAURU   
## 12 8 1   
## SUBAVAL1999 SUBAVAL2000 SUBAVAL2001   
## 1 1 1   
## SUBAVAL2006 SUBAVAL2011 SUBAVAL2012   
## 3 1 1   
## SUBAVAL2014 SUBBARU SUBBURU   
## 4 2 1   
## SUBERO SUBERU SUBR   
## 1 1 35   
## SUBRA SUBRARU SUBRAU   
## 1 4 6   
## SUBRU SUBRUR SUBS   
## 9 1 2   
## SUBSRU SUBU SUBUARU   
## 10 216 22   
## SUBUR SUBURA SUBURAU   
## 9 58 15   
## SUBURBAN SUBURI SUBURU   
## 4 1 327   
## SUDA SUEDE SUIZ   
## 1 1 2   
## SUK SUKI SUKU   
## 2 5 1   
## SUNA SUNL SUNNY   
## 2 4 33   
## SUPE SUPER HORNET SUPERIOR   
## 3 1 5   
## SUPERLINE SUPM SUPR   
## 6 1 2   
## SUPREMO SURARU SURB   
## 1 4 2   
## SURE SURE-TRAC SURLY   
## 29 1 1   
## SUSBARU SUSK SUSKI   
## 2 1 1   
## SUSU SUSUBARU SUSUKI   
## 5 1 46   
## SUSZ SUTURN SUV   
## 4 3 10   
## SUXI SUZ SUZ1   
## 2 75 1   
## SUZI SUZI MC SUZIK   
## 626 1 10   
## SUZIKI SUZIUKI SUZK   
## 43 13 2   
## SUZKI SUZU SUZUIKI   
## 5 712 6   
## SUZUK SUZUKI SUZUKI AERIO   
## 6 2833 1   
## SUZUKI` SUZUKIA SUZUKII   
## 1 1 3   
## SUZUKKI SUZUKU SUZUZI   
## 2 2 1   
## SX4 SXION T0Y0T   
## 8 1 1   
## T0Y0TA T0YOT T0YOTA   
## 6 1 4   
## T0YT T6OYOTA TACOMA   
## 6 1 7   
## TAGA TAHOE TAIW   
## 20 5 3   
## TAIWAN GOLDEN B TAIZ TAIZHOU   
## 27 4 21   
## TAIZHOU CHUANL TAIZHOU CITY TAM   
## 4 11 1   
## TAO TAO TAO TAO TAO 50   
## 17 191 8   
## TAO TAO SCOOTER TAOATO TAOI   
## 4 1 5   
## TAOT TAOTA TAOTAN   
## 19 2 3   
## TAOTAO TAOTAO MOTORS TAOTAO50   
## 364 3 5   
## TAOTARO TAOTO TAOTOA50   
## 3 1 11   
## TATT TAURUA TAURUS   
## 1 1 5   
## TAUTAU TAYOTAYO TBU   
## 5 2 2   
## TCS DYKON TECTRON TELSA   
## 4 3 9   
## TEMSA TES TESCA   
## 2 4 2   
## TESL TESLA TESLLA   
## 181 353 3   
## TESLVAL2014 TEST TEXA   
## 1 22 2   
## TEXS TEXTTRON TGB   
## 5 4 5   
## THIN THOAS THOM   
## 1 1 51   
## THOM BUS THOMA THOMAS   
## 1 1 149   
## THOMAS BUILT THOMAS BUS THOMOS   
## 11 3 1   
## THOMPSON THRUXTON THUNDERBIRD   
## 5 1 1   
## TI=OYOTA TIC TITAN   
## 1 1 3   
## TIYITA TIYOT TIYOTA   
## 14 2 3   
## TIYT TK TLINER   
## 16 12 1   
## TLOYOTA TMSR TNERNATIONAL   
## 2 3 1   
## TNT TNTL TO   
## 2 1 1   
## TOAT TOATOA TOAY   
## 3 6 2   
## TOBP TOBR TOMA   
## 3 6 13   
## TOMAS TOMO TOMOS   
## 25 5 38   
## TOOTA TOOYOTA TOOYT   
## 30 14 3   
## TOP TOP BRAND TOPB   
## 10 9 33   
## TORA TORD TOROTA   
## 6 1 1   
## TORY TOT TOTO   
## 1 23 3   
## TOTOA TOTORA TOTOT   
## 1 1 7   
## TOTOTA TOTOYA TOTOYOT   
## 145 39 1   
## TOTOYTA TOTY TOTYA   
## 6 220 2   
## TOTYOA TOTYOTA TOTYT   
## 7 23 4   
## TOTYTA TOU TOUOTA   
## 2 1 17   
## TOUPT TOUT TOUY   
## 1 3 1   
## TOW TOWM TOWMQ   
## 3 8 3   
## TOWN TOWN & COUNTRY TOWN AND COUNTR   
## 12 2 3   
## TOWN CAR TOWN N COUNTRY TOY   
## 1 1 1350   
## TOY SC TOY SCION TOY0   
## 2 2 1   
## TOY0A TOY0TA TOYA   
## 1 14 14   
## TOYATA TOYATO TOYIOOA   
## 33 3 2   
## TOYITA TOYO TOYO SCION   
## 10 3083 1   
## TOYO SUV TOYO(SCION) TOYO/SCION   
## 2 1 1   
## TOYO4D TOYOA TOYOAT   
## 1 72 13   
## TOYOATA TOYOATO TOYOOTA   
## 3 2 6   
## TOYORA TOYORTA TOYOT   
## 32 1 963   
## TOYOT SUV TOYOT TK TOYOTA   
## 1 1 169375   
## TOYOTA-SCION TOYOTA (SCION) TOYOTA / SCION   
## 1 6 1   
## TOYOTA 4DR TOYOTA 4S TOYOTA C   
## 2 1 1   
## TOYOTA CAMRY TOYOTA CL TOYOTA P   
## 5 1 1   
## TOYOTA PRIUS TOYOTA SCION TOYOTA SIENNA   
## 1 36 1   
## TOYOTA TK TOYOTA VAN TOYOTA/SCION   
## 1 1 21   
## TOYOTA` TOYOTA`` TOYOTAA   
## 2 1 5   
## TOYOTAL TOYOTAO TOYOTAQ   
## 1 5 2   
## TOYOTAS TOYOTAT TOYOTO   
## 1 8 14   
## TOYOTOA TOYOTQ TOYOTRA   
## 21 2 2   
## TOYOTS TOYOTSA TOYOTTA   
## 14 19 5   
## TOYOTY TOYOTYA TOYOUA   
## 7 4 2   
## TOYOUTA TOYOVA TOYOVAL   
## 1 10 1   
## TOYOVAL1991 TOYOVAL1992 TOYOVAL1995   
## 1 2 3   
## TOYOVAL1996 TOYOVAL1998 TOYOVAL1999   
## 2 2 1   
## TOYOVAL2000 TOYOVAL2001 TOYOVAL2002   
## 7 1 4   
## TOYOVAL2003 TOYOVAL2004 TOYOVAL2005   
## 2 2 12   
## TOYOVAL2007 TOYOVAL2008 TOYOVAL2009   
## 7 1 8   
## TOYOVAL2010 TOYOVAL2011 TOYOVAL2012   
## 3 11 9   
## TOYOVAL2013 TOYOVAL2014 TOYOVAL2015   
## 4 5 2   
## TOYOVAN TOYOY TOYOYA   
## 1 2 133   
## TOYOYT TOYOYTA TOYP   
## 1 57 8   
## TOYPTA TOYR TOYS   
## 24 7 4   
## TOYT TOYT SCION TOYT (SCION)   
## 82885 1 3   
## TOYT / SCION TOYT 4S TOYT SCION   
## 1 3 6   
## TOYT VN TOYT/SCION TOYT`   
## 1 4 8   
## TOYT=OTA TOYT4D TOYT4DR   
## 2 6 1   
## TOYTA TOYTO TOYTOA   
## 945 17 297   
## TOYTOTA TOYTQ TOYTS   
## 92 1 3   
## TOYTTA TOYTTK TOYUOTA   
## 2 1 1   
## TOYUT TOYY TOYYOTA   
## 2 4 1   
## TPY TPYOTA TPYPTA   
## 1 26 14   
## TPYT TPYTA TRA   
## 5 1 6   
## TRACTOR TRAILER TRAI TRAILER   
## 1 2 16   
## TRAILOR TRANSIT TRASH   
## 2 1 6   
## TREK TREM TREX   
## 11 3 1   
## TRI TRIMUPH TRIP   
## 3 1 3   
## TRIPLE R TRIT TRITON   
## 5 1 4   
## TRIU TRIUM TRIUMPH   
## 5 2 48   
## TRL TRTR TRUCK   
## 6 1 10   
## TRUM TSMR TTOY   
## 3 18 1   
## TTOYOTA TURT TUT   
## 12 2 3   
## TUYT TYG TYOT   
## 2 7 5   
## TYOTA TYOTAO TYOYTA   
## 66 1 3   
## TYPHOON TYT TYTA   
## 5 1 2   
## TYUNDAI U U HAUL   
## 1 1 2   
## UB UBARU UD   
## 2 1 161   
## UD DS UD NISSAN UD TRUCK   
## 1 8 4   
## UD/ NISSAN UDI UDT   
## 2 5 15   
## UDUMP UHAUL UK   
## 2 14 2   
## UNIT UNITED MOTORS UNK   
## 4 2 62   
## UNKMC UNKN UNKNOWN   
## 1 1 76   
## UPS UPS TRUCK US   
## 3 1 1   
## US MAIL US MAIL TRUCK US POST OFF   
## 1 2 1   
## US POST OFFICE USJE USPS   
## 1 9 3   
## USUZU UTIL UTILITY   
## 2 20 7   
## UU UXM9472 V OLVO   
## 9 1 1   
## V W V0LV VA   
## 2 1 1   
## VACR VADILAC VALKS   
## 2 1 1   
## VALL VALTSWAGON VALU   
## 1 1 2   
## VAN VAN HOOL T2145 VANGUARD   
## 5 1 1   
## VANH VANHOOL VCTY   
## 4 5 1   
## VE VEERMEER VELOCITY   
## 1 7 14   
## VENT VENTO VERMEER   
## 3 13 4   
## VERSA VESP VESPA   
## 1 3 77   
## VESPA/PIAGGIO VHECY VHEV   
## 1 2 6   
## VHEVROLET VHEVY VHRY   
## 4 6 2   
## VIAGGIO VICT VICTORY   
## 4 1 7   
## VICTORY TRAILER VICTY VIK   
## 1 4 1   
## VIKSWAGEN VILK VILKSWAGON   
## 5 5 3   
## VILKW VILV VILVO   
## 1 1 1   
## VIOLKS VIP VIRGINIA   
## 1 36 1   
## VK VKW VLKS   
## 33 2 6   
## VLKSWA VLKSWAGON VLOKS   
## 1 10 1   
## VLOVO VLV VLVO   
## 1 4 1   
## VM VNFORD VNNISSAN   
## 4 1 1   
## VNTO VO;K VO;KS   
## 2 2 1   
## VOIKS VOILKS VOK   
## 2 2 6   
## VOKLS VOKS VOKSWAGEN   
## 4 19 11   
## VOKSWAGON VOKWAGON VOL   
## 25 1 20   
## VOLCO VOLJS VOLK   
## 3 1 12843   
## VOLK SW VOLK SWAGON VOLK W   
## 1 8 13   
## VOLK WAG VOLK WAGON VOLK.   
## 4 3 2   
## VOLKA VOLKAWAGEN VOLKAWAGON   
## 1 2 1   
## VOLKD VOLKE VOLKES   
## 3 17 2   
## VOLKESWAGEN VOLKESWAGON VOLKKSWAGON   
## 2 8 1   
## VOLKS VOLKS W VOLKS WAG   
## 4870 1 8   
## VOLKS WAGAN VOLKS WAGEN VOLKS WAGO   
## 1 1 1   
## VOLKS WAGON VOLKSAGON VOLKSBLUE   
## 129 1 1   
## VOLKSEWAGON VOLKSSWAGON VOLKSVAGEN   
## 1 2 3   
## VOLKSVAGON VOLKSW VOLKSWA   
## 1 42 12   
## VOLKSWAEN VOLKSWAG VOLKSWAGAN   
## 5 21 46   
## VOLKSWAGE VOLKSWAGEB VOLKSWAGEN   
## 2 2 4049   
## VOLKSWAGGO VOLKSWAGGON VOLKSWAGIN   
## 1 70 13   
## VOLKSWAGKON VOLKSWAGN VOLKSWAGO   
## 2 8 7   
## VOLKSWAGOM VOLKSWAGON VOLKSWAGONQ   
## 1 6158 8   
## VOLKSWAGOON VOLKSWAGPN VOLKSWAGWEN   
## 3 1 1   
## VOLKSWAHEN VOLKSWAON VOLKSWATON   
## 3 2 2   
## VOLKSWG VOLKSWGAN VOLKSWGN   
## 3 3 4   
## VOLKSWGON VOLKVAL VOLKVAL2006   
## 7 6 1   
## VOLKVAL2010 VOLKVAL2011 VOLKVAL2012   
## 2 4 2   
## VOLKVAL2013 VOLKVAL2014 VOLKW   
## 3 3 11   
## VOLKWAG VOLKWAGEN VOLKWAGON   
## 27 75 129   
## VOLKWAGSON VOLKWASGEN VOLKWGN   
## 1 2 6   
## VOLKWGON VOLKXS VOLKZ   
## 1 2 1   
## VOLKZWAGEN VOLLKSWAGON VOLLSWAGON   
## 1 1 1   
## VOLLVO VOLO VOLOV   
## 1 10 1   
## VOLS VOLSK VOLSKWAGEN   
## 36 3 10   
## VOLSKWAGON VOLSSWAGON VOLSW   
## 8 1 4   
## VOLSWAGEN VOLSWAGO VOLSWAGON   
## 39 1 74   
## VOLT VOLT WAGON VOLTS   
## 1 2 5   
## VOLTS WAGON VOLTSWAGEN VOLTSWAGON   
## 3 1 40   
## VOLTSWAGOON VOLTWAGON VOLV   
## 1 3 3735   
## VOLV0 VOLVA VOLVE   
## 35 11 4   
## VOLVI VOLVL VOLVO   
## 1 2 8810   
## VOLVO 4DR VOLVO SW VOLVO TK   
## 1 4 5   
## VOLVO` VOLVOE VOLVOO   
## 5 2 1   
## VOLVOT VOLVS VOLVSWAGEN   
## 1 2 1   
## VOLVSWAGON VOLVVAL1990 VOLVVAL2005   
## 2 2 1   
## VOLVVAL2006 VOLVVAL2007 VOLVVAL2009   
## 2 1 1   
## VOLVVAL2011 VOLVVAL2012 VOLVVAL2013   
## 2 1 1   
## VOLWAG VOLZ VONROAD   
## 1 1 11   
## VORK VOTLS WAGON VOV   
## 1 2 2   
## VOVL VOVLO VOVLV   
## 11 28 1   
## VOVLVO VOVO VPG   
## 2 10 10   
## VPG/U NAME IT VTNR VULC   
## 1 1 20   
## VVOLKSWAGEN VVOLKSWAGON VVOLVO   
## 2 2 1   
## VVW VW VW9   
## 1 5932 1   
## VWAGON VWMAZDA VWOLK   
## 1 1 3   
## VWOLKS WABA WABASH   
## 15 1 3   
## WEHA WELL WEST   
## 1 8 35   
## WEST TK WESTERN WESTERN STA   
## 4 7 2   
## WESTERN STAR WG WHI   
## 33 4 1   
## WHIT WHITE WHITE GMC   
## 1 54 1   
## WHITEGMC WHITENISSAN WILDFIRE   
## 5 1 21   
## WILKSWAGON WINNA WMATA TRANSIT   
## 4 5 1   
## WOLK WOLKSWAGEN WOLKSWAGON   
## 4 30 10   
## WOLSKWAGEN WOLSWAGON WORH   
## 2 2 3   
## WORK WORKHORSE WRKH   
## 37 7 6   
## WSTR WTD2680 WV   
## 5 1 30   
## WVOLKSWAGEN WYLIE & SON X   
## 2 3 3   
## X5 X5BMW XCHRV   
## 1 1 1   
## XEF9688 XHEVY XIAMEN XIASHING   
## 1 1 3   
## XINGYUE XTRE XX   
## 2 6 57   
## XXX XXXX XXXXX   
## 10 12 1   
## YAHAHA YAHAM YAHAMA   
## 4 3 5   
## YAHMAHA YAM YAMA   
## 17 2 232   
## YAMAH YAMAHA YAMASAKI   
## 5 885 7   
## YAMAYA YB50 YHUNDAI   
## 1 2 6   
## YONGFU YOTOA YOTOTA   
## 7 4 2   
## YOUOTA YOYO YOYOTA   
## 1 2 22   
## YOYOYA YOYT YTOYOTA   
## 2 8 1   
## YUKON YUN YUNDAI   
## 14 1 5   
## YY150-19 Z71 ZHE JIANG   
## 4 15 4   
## ZHEJIANG ZHEJIANG JONWAY ZHEJIANG KAIKAI   
## 24 9 3   
## ZHESING QIUG ZHNG ZHONGNENG   
## 8 10 5   
## ZNEN ZUMA ZUMMERQ   
## 4 6 4   
## ZUZU ZUZUKI   
## 2 4

The make variable is horible. Won’t be able to use it. Now let’s see color.

table(traffic2$Color)

##   
## BEIGE BLACK BLUE BLUE, DARK BLUE, LIGHT BRONZE   
## 16692 300898 108181 31161 19229 3382   
## BROWN CAMOUFLAGE CHROME COPPER CREAM GOLD   
## 6724 28 40 457 899 45843   
## GRAY GREEN GREEN, DK GREEN, LGT MAROON MULTICOLOR   
## 165792 53835 15678 8244 25178 1138   
## N/A ORANGE PINK PURPLE RED SILVER   
## 15915 5228 205 2838 115683 271526   
## TAN WHITE YELLOW   
## 29786 229570 5545

This one is more manegeable.

traffic2$Color\_New <- traffic2$Color  
traffic2$Color\_New[traffic2$Color\_New== "BLUE, DARK"] <- "BLUE"  
traffic2$Color\_New[traffic2$Color\_New== "BLUE, LIGHT"] <- "BLUE"  
traffic2$Color\_New[traffic2$Color\_New== "GREEN, DK"] <- "GREEN"  
traffic2$Color\_New[traffic2$Color\_New== "GREEN, LGT"] <- "GREEN"  
traffic2$Color\_New[traffic2$Color\_New== "GREEN, LGT"] <- "GREEN"  
traffic2$Color\_New[traffic2$Color\_New== "N/A"] <- "OTHER"

The renaming seems to have worked as shwon below.

table(traffic2$Color\_New)

##   
## BEIGE BLACK BLUE BRONZE BROWN CAMOUFLAGE   
## 16692 300898 158571 3382 6724 28   
## CHROME COPPER CREAM GOLD GRAY GREEN   
## 40 457 899 45843 165792 77757   
## MAROON MULTICOLOR ORANGE OTHER PINK PURPLE   
## 25178 1138 5228 15915 205 2838   
## RED SILVER TAN WHITE YELLOW   
## 115683 271526 29786 229570 5545

head(traffic2)

## # A tibble: 6 x 41  
## Date\_Of\_Stop Time\_Of\_Stop Agency SubAgency Description Location Latitude  
## <chr> <time> <chr> <chr> <chr> <chr> <dbl>  
## 1 09/24/2013 17:11 MCP 3rd, Sil~ DRIVING VE~ 8804 FL~ NA   
## 2 08/29/2017 10:19 MCP 2nd, Bet~ DRIVER FAI~ WISCONS~ 39.0  
## 3 12/01/2014 12:52 MCP 6th, Gai~ FAILURE ST~ CHRISTO~ 39.2  
## 4 08/29/2017 09:22 MCP 3rd, Sil~ FAILURE YI~ CHERRY ~ 39.1  
## 5 08/28/2017 23:41 MCP 6th, Gai~ FAILURE OF~ 355 @ S~ NA   
## 6 08/27/2013 00:55 MCP 2nd, Bet~ NEGLIGENT ~ CONNECT~ NA   
## # ... with 34 more variables: Longitude <dbl>, Accident <chr>,  
## # Belts <chr>, Personal\_Injury <chr>, Property\_Damage <chr>,  
## # Fatal <chr>, Commercial\_License <chr>, HAZMAT <chr>,  
## # Commercial\_Vehicle <chr>, Alcohol <chr>, Work\_Zone <chr>, State <chr>,  
## # VehicleType <chr>, Year <dbl>, Make <chr>, Model <chr>, Color <chr>,  
## # Violation\_Type <chr>, Charge <chr>, Article <chr>,  
## # Contributed\_To\_Accident <chr>, Race <chr>, Gender <chr>,  
## # Driver\_City <chr>, Driver\_State <chr>, DL\_State <chr>,  
## # Arrest\_Type <chr>, Geolocation <chr>, SubAgency\_n <chr>, Date <date>,  
## # year <dbl>, month <dbl>, day <dbl>, Color\_New <chr>

Adding a constant column to identify the dataset in case of a merge.

traffic2['DATNUM']=1

Below I write the dataset to a csv format.

head(traffic2)

## # A tibble: 6 x 42  
## Date\_Of\_Stop Time\_Of\_Stop Agency SubAgency Description Location Latitude  
## <chr> <time> <chr> <chr> <chr> <chr> <dbl>  
## 1 09/24/2013 17:11 MCP 3rd, Sil~ DRIVING VE~ 8804 FL~ NA   
## 2 08/29/2017 10:19 MCP 2nd, Bet~ DRIVER FAI~ WISCONS~ 39.0  
## 3 12/01/2014 12:52 MCP 6th, Gai~ FAILURE ST~ CHRISTO~ 39.2  
## 4 08/29/2017 09:22 MCP 3rd, Sil~ FAILURE YI~ CHERRY ~ 39.1  
## 5 08/28/2017 23:41 MCP 6th, Gai~ FAILURE OF~ 355 @ S~ NA   
## 6 08/27/2013 00:55 MCP 2nd, Bet~ NEGLIGENT ~ CONNECT~ NA   
## # ... with 35 more variables: Longitude <dbl>, Accident <chr>,  
## # Belts <chr>, Personal\_Injury <chr>, Property\_Damage <chr>,  
## # Fatal <chr>, Commercial\_License <chr>, HAZMAT <chr>,  
## # Commercial\_Vehicle <chr>, Alcohol <chr>, Work\_Zone <chr>, State <chr>,  
## # VehicleType <chr>, Year <dbl>, Make <chr>, Model <chr>, Color <chr>,  
## # Violation\_Type <chr>, Charge <chr>, Article <chr>,  
## # Contributed\_To\_Accident <chr>, Race <chr>, Gender <chr>,  
## # Driver\_City <chr>, Driver\_State <chr>, DL\_State <chr>,  
## # Arrest\_Type <chr>, Geolocation <chr>, SubAgency\_n <chr>, Date <date>,  
## # year <dbl>, month <dbl>, day <dbl>, Color\_New <chr>, DATNUM <dbl>

write.csv(traffic2, "traffic2.csv")

traffic3 is the same as traffic 2 except that it includes a constant to identify the traffic violations as 1.

traffic3['DATNUM']=1  
traffic3['V\_type']=1  
traffic4 <- traffic3

traffic4 is a subset of the traffic3 with only select variables.

traffic4 <- traffic4 %>%  
 select(Date, DATNUM, Latitude, Longitude, SubAgency\_n, V\_type)

table(traffic2$SubAgency\_n)

##   
## 1D 2D 3D 4D 5D 6D Other   
## 177628 235207 291705 367336 169374 191104 49077

table(traffic2$SubAgency)

##   
## 1st, Rockville   
## 177628   
## 2nd, Bethesda   
## 235207   
## 3rd, Silver Spring   
## 291705   
## 4th, Wheaton   
## 367336   
## 5th, Germantown   
## 169374   
## 6th, Gaithersburg / Montgomery Village   
## 191104   
## Headquarters and Special Operations   
## 49077

table(traffic2$Race)

##   
## ASIAN BLACK HISPANIC NATIVE AMERICAN   
## 86804 469316 315896 3115   
## OTHER WHITE   
## 80455 525855

traffic2$RACE <- traffic2$Race  
traffic2$RACE[traffic2$Race== "NATIVE AMERICAN"] <- "OTHER"  
table(traffic2$RACE)

##   
## ASIAN BLACK HISPANIC OTHER WHITE   
## 86804 469316 315896 83570 525855

head(traffic2)

## # A tibble: 6 x 43  
## Date\_Of\_Stop Time\_Of\_Stop Agency SubAgency Description Location Latitude  
## <chr> <time> <chr> <chr> <chr> <chr> <dbl>  
## 1 09/24/2013 17:11 MCP 3rd, Sil~ DRIVING VE~ 8804 FL~ NA   
## 2 08/29/2017 10:19 MCP 2nd, Bet~ DRIVER FAI~ WISCONS~ 39.0  
## 3 12/01/2014 12:52 MCP 6th, Gai~ FAILURE ST~ CHRISTO~ 39.2  
## 4 08/29/2017 09:22 MCP 3rd, Sil~ FAILURE YI~ CHERRY ~ 39.1  
## 5 08/28/2017 23:41 MCP 6th, Gai~ FAILURE OF~ 355 @ S~ NA   
## 6 08/27/2013 00:55 MCP 2nd, Bet~ NEGLIGENT ~ CONNECT~ NA   
## # ... with 36 more variables: Longitude <dbl>, Accident <chr>,  
## # Belts <chr>, Personal\_Injury <chr>, Property\_Damage <chr>,  
## # Fatal <chr>, Commercial\_License <chr>, HAZMAT <chr>,  
## # Commercial\_Vehicle <chr>, Alcohol <chr>, Work\_Zone <chr>, State <chr>,  
## # VehicleType <chr>, Year <dbl>, Make <chr>, Model <chr>, Color <chr>,  
## # Violation\_Type <chr>, Charge <chr>, Article <chr>,  
## # Contributed\_To\_Accident <chr>, Race <chr>, Gender <chr>,  
## # Driver\_City <chr>, Driver\_State <chr>, DL\_State <chr>,  
## # Arrest\_Type <chr>, Geolocation <chr>, SubAgency\_n <chr>, Date <date>,  
## # year <dbl>, month <dbl>, day <dbl>, Color\_New <chr>, DATNUM <dbl>,  
## # RACE <chr>

# Load function  
source("http://pcwww.liv.ac.uk/~william/R/crosstab.r")

table(traffic2$Contributed\_To\_Accident)

##   
## No Yes   
## 1445939 35502

library(ggthemes)

## Warning: package 'ggthemes' was built under R version 3.5.3

traffic2$Gender\_n <- traffic2$Gender  
traffic2$Gender\_n[traffic2$Gender\_n == "U"] <- NA  
table(traffic2$Gender\_n)

##   
## F M   
## 487115 992508

trafficS <- traffic2

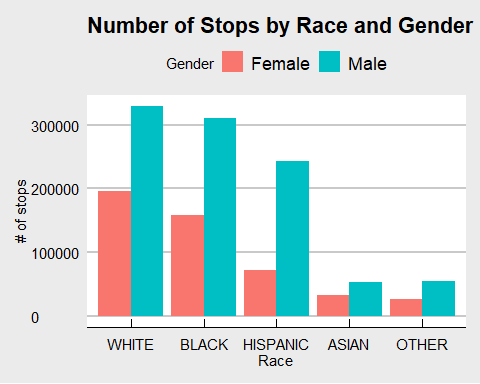
traffic2$RACE\_n <- factor(traffic2$RACE, levels = c("WHITE", "BLACK", "HISPANIC", "ASIAN", "OTHER"))  
table(traffic2$RACE\_n)

##   
## WHITE BLACK HISPANIC ASIAN OTHER   
## 525855 469316 315896 86804 83570

table(traffic2$RACE)

##   
## ASIAN BLACK HISPANIC OTHER WHITE   
## 86804 469316 315896 83570 525855

options(scipen=10000)  
traffic2 %>% filter(!is.na(Gender\_n)) %>%  
ggplot() +  
aes(x = RACE\_n , fill = Gender\_n) +  
geom\_bar(position = 'dodge') +  
scale\_fill\_discrete(labels = c("Female", "Male")) +  
labs(fill = "Gender", y = "# of stops", x ="Race", title = "Number of Stops by Race and Gender") +  
theme\_economist\_white()

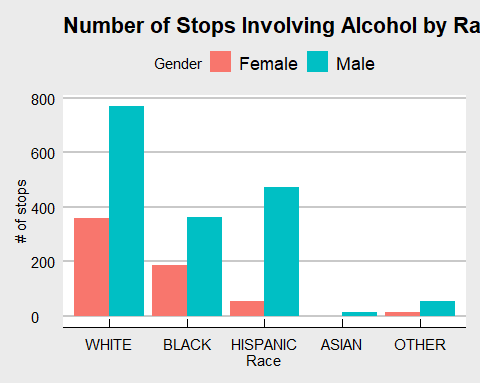


MD estimates are 43 % white, 20% black, 20% hispanic, 16% Asian

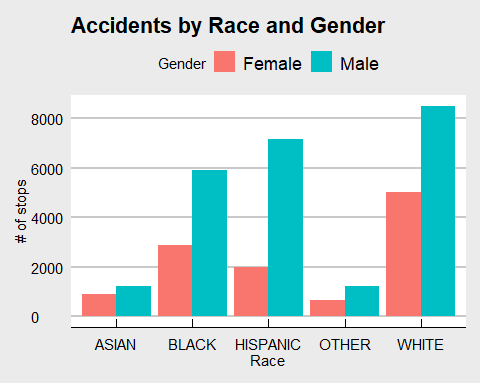
43+20+20+16

## [1] 99

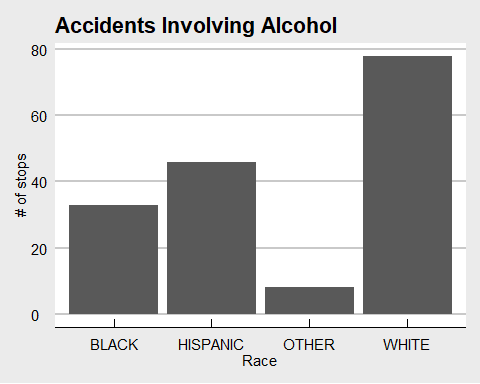
traffic2 %>% filter(Alcohol == "Yes") %>% filter(!is.na(Gender\_n)) %>%  
ggplot() +  
aes(x = RACE\_n, fill = Gender\_n) +  
geom\_bar(position = 'dodge') +  
scale\_fill\_discrete(labels = c("Female", "Male")) +  
labs(fill = "Gender", y = "# of stops", x ="Race", title = "Number of Stops Involving Alcohol by Race and Gender") +  
theme\_economist\_white()



traffic2 %>% filter(Contributed\_To\_Accident == "Yes") %>% filter(!is.na(Gender\_n)) %>%  
ggplot() +  
aes(x = RACE, fill = Gender\_n) +  
geom\_bar(position = 'dodge') +  
scale\_fill\_discrete(labels = c("Female", "Male")) +  
labs(fill = "Gender", y = "# of stops", x ="Race", title = "Accidents by Race and Gender") +  
theme\_economist\_white()



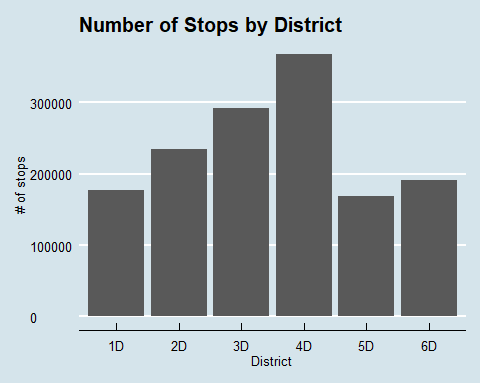
traffic2 %>% filter(Contributed\_To\_Accident == "Yes") %>% filter(!is.na(Gender\_n)) %>% filter(Alcohol == "Yes") %>%  
ggplot() +  
aes(x = RACE) +  
geom\_bar(position = 'dodge') +  
labs(fill = "Gender", y = "# of stops", x ="Race", title = "Accidents Involving Alcohol") +  
theme\_economist\_white()



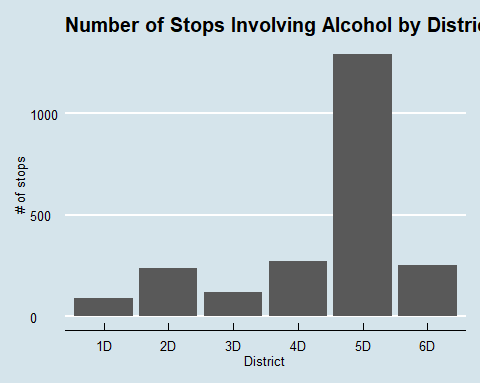
table(traffic2$SubAgency)

##   
## 1st, Rockville   
## 177628   
## 2nd, Bethesda   
## 235207   
## 3rd, Silver Spring   
## 291705   
## 4th, Wheaton   
## 367336   
## 5th, Germantown   
## 169374   
## 6th, Gaithersburg / Montgomery Village   
## 191104   
## Headquarters and Special Operations   
## 49077

traffic2 %>% filter(!is.na(SubAgency\_n)) %>% filter(SubAgency\_n!= "Other") %>%  
ggplot() +  
aes(x = SubAgency\_n) +  
geom\_bar(position = 'dodge') +  
labs(y = "# of stops", x ="District", title = "Number of Stops by District") +  
theme\_economist()



traffic2 %>% filter(Alcohol == "Yes") %>% filter(SubAgency\_n!= "Other") %>%  
ggplot() +  
aes(x = SubAgency\_n) +  
geom\_bar(position = 'dodge') +  
labs(y = "# of stops", x ="District", title = "Number of Stops Involving Alcohol by District") +  
theme\_economist()



table(traffic2$Color\_New)

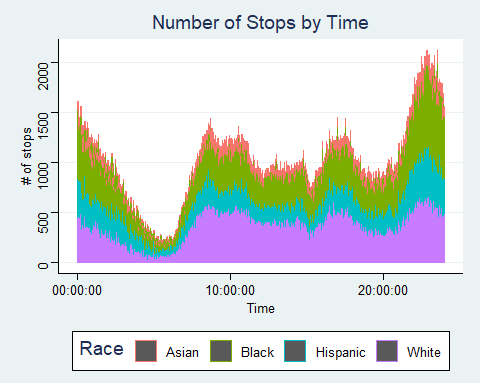
##   
## BEIGE BLACK BLUE BRONZE BROWN CAMOUFLAGE   
## 16692 300898 158571 3382 6724 28   
## CHROME COPPER CREAM GOLD GRAY GREEN   
## 40 457 899 45843 165792 77757   
## MAROON MULTICOLOR ORANGE OTHER PINK PURPLE   
## 25178 1138 5228 15915 205 2838   
## RED SILVER TAN WHITE YELLOW   
## 115683 271526 29786 229570 5545

traffic2$Color\_n <- traffic2$Color\_New  
traffic2$Color\_n[traffic2$Color\_n == "GRAY"] <- "SILVER"  
traffic2$Color\_n[traffic2$Color\_n != "GRAY" & traffic2$Color\_n != "BLACK" & traffic2$Color\_n != "WHITE" & traffic2$Color\_n != "BLUE" & traffic2$Color\_n != "SILVER" & traffic2$Color\_n != "RED"] <- "OTHER"

table(traffic2$Color\_n)

##   
## BLACK BLUE OTHER RED SILVER WHITE   
## 300898 158571 237655 115683 437318 229570

traffic2 %>% filter(RACE!="OTHER") %>%  
ggplot()+  
aes(x=Time\_Of\_Stop, colour=RACE) + geom\_bar() + labs(colour= "Race", y = "# of stops", x ="Time", title = "Number of Stops by Time") + scale\_colour\_discrete(labels = c("Asian", "Black", "Hispanic", "White")) +  
theme\_stata()



#traffic2 %>%   
#filter(traffic2$RACE != "OTHER") %>%  
  
traffic2 %>% filter(RACE != "OTHER") %>% filter(SubAgency\_n != "Other") %>% crosstab(row.vars = "RACE", col.vars = "SubAgency\_n", type = "f")

## SubAgency\_n 1D 2D 3D 4D 5D 6D Sum  
## RACE   
## ASIAN 17208 14183 11657 18852 9963 12219 84082  
## BLACK 36798 57001 143607 108014 52038 57605 455063  
## HISPANIC 29415 32442 65727 110410 22855 42177 303026  
## WHITE 84534 117458 57094 109160 74311 66489 509046  
## Sum 167955 221084 278085 346436 159167 178490 1351217

traffic2 %>% filter(RACE != "OTHER") %>% filter(SubAgency\_n != "Other") %>% crosstab(row.vars = "RACE", col.vars = "SubAgency\_n", type = "c")

## SubAgency\_n 1D 2D 3D 4D 5D 6D  
## RACE   
## ASIAN 10.25 6.42 4.19 5.44 6.26 6.85  
## BLACK 21.91 25.78 51.64 31.18 32.69 32.27  
## HISPANIC 17.51 14.67 23.64 31.87 14.36 23.63  
## WHITE 50.33 53.13 20.53 31.51 46.69 37.25  
## Sum 100.00 100.00 100.00 100.00 100.00 100.00

traffic2 %>% filter(RACE != "OTHER") %>% filter(SubAgency\_n != "Other") %>% crosstab(row.vars = "RACE", col.vars = "SubAgency\_n", type = "r")

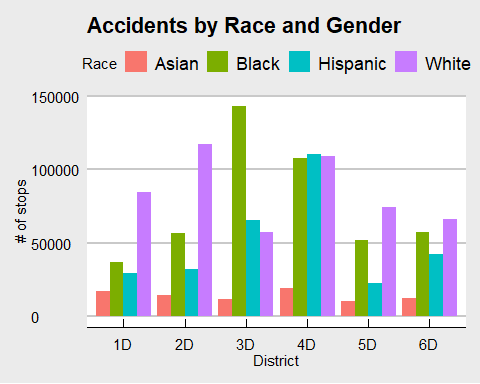
## SubAgency\_n 1D 2D 3D 4D 5D 6D Sum  
## RACE   
## ASIAN 20.47 16.87 13.86 22.42 11.85 14.53 100.00  
## BLACK 8.09 12.53 31.56 23.74 11.44 12.66 100.00  
## HISPANIC 9.71 10.71 21.69 36.44 7.54 13.92 100.00  
## WHITE 16.61 23.07 11.22 21.44 14.60 13.06 100.00

#crosstab(traffic2, row.vars = "bias\_cat", col.vars = "Bias\_n", type = "c")  
#crosstab(traffic2, row.vars = "bias\_cat", col.vars = "Bias\_n", type = "r")

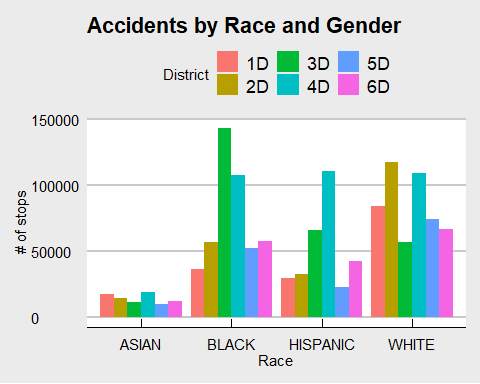
table(traffic2$SubAgency)

##   
## 1st, Rockville   
## 177628   
## 2nd, Bethesda   
## 235207   
## 3rd, Silver Spring   
## 291705   
## 4th, Wheaton   
## 367336   
## 5th, Germantown   
## 169374   
## 6th, Gaithersburg / Montgomery Village   
## 191104   
## Headquarters and Special Operations   
## 49077

traffic2 %>% filter(RACE != "OTHER") %>% filter(SubAgency\_n != "Other") %>%  
ggplot() +  
aes(x = SubAgency\_n, fill = RACE) +  
geom\_bar(position = 'dodge') +  
scale\_fill\_discrete(labels = c("Asian", "Black", "Hispanic", "White")) +  
labs(fill = "Race", y = "# of stops", x ="District", title = "Accidents by Race and Gender") +  
theme\_economist\_white()



traffic2 %>% filter(RACE != "OTHER") %>% filter(SubAgency\_n != "Other") %>%  
ggplot() +  
aes(x = RACE, fill = SubAgency\_n) +  
geom\_bar(position = 'dodge') +  
labs(fill = "District", y = "# of stops", x ="Race", title = "Accidents by Race and Gender") +  
theme\_economist\_white()



table(traffic2$Fatal)

##   
## No Yes   
## 1481118 323

crosstab(traffic2, row.vars = "Contributed\_To\_Accident", col.vars = "Alcohol", type = "f")

## Alcohol No Yes Sum  
## Contributed\_To\_Accident   
## No 1443812 2127 1445939  
## Yes 35337 165 35502  
## Sum 1479149 2292 1481441

crosstab(traffic2, row.vars = "Contributed\_To\_Accident", col.vars = "Alcohol", type = "c")

## Alcohol No Yes  
## Contributed\_To\_Accident   
## No 97.61 92.80  
## Yes 2.39 7.20  
## Sum 100.00 100.00

crosstab(traffic2, row.vars = "Contributed\_To\_Accident", col.vars = "Alcohol", type = "r")

## Alcohol No Yes Sum  
## Contributed\_To\_Accident   
## No 99.85 0.15 100.00  
## Yes 99.54 0.46 100.00

table(traffic2$RACE)

##   
## ASIAN BLACK HISPANIC OTHER WHITE   
## 86804 469316 315896 83570 525855

table(traffic2$Gender)

##   
## F M U   
## 487115 992508 1818

table(traffic2$Gender\_n)

##   
## F M   
## 487115 992508

table(traffic2$SubAgency)

##   
## 1st, Rockville   
## 177628   
## 2nd, Bethesda   
## 235207   
## 3rd, Silver Spring   
## 291705   
## 4th, Wheaton   
## 367336   
## 5th, Germantown   
## 169374   
## 6th, Gaithersburg / Montgomery Village   
## 191104   
## Headquarters and Special Operations   
## 49077

table(traffic2$SubAgency\_n)

##   
## 1D 2D 3D 4D 5D 6D Other   
## 177628 235207 291705 367336 169374 191104 49077

table(traffic2$Color\_n)

##   
## BLACK BLUE OTHER RED SILVER WHITE   
## 300898 158571 237655 115683 437318 229570