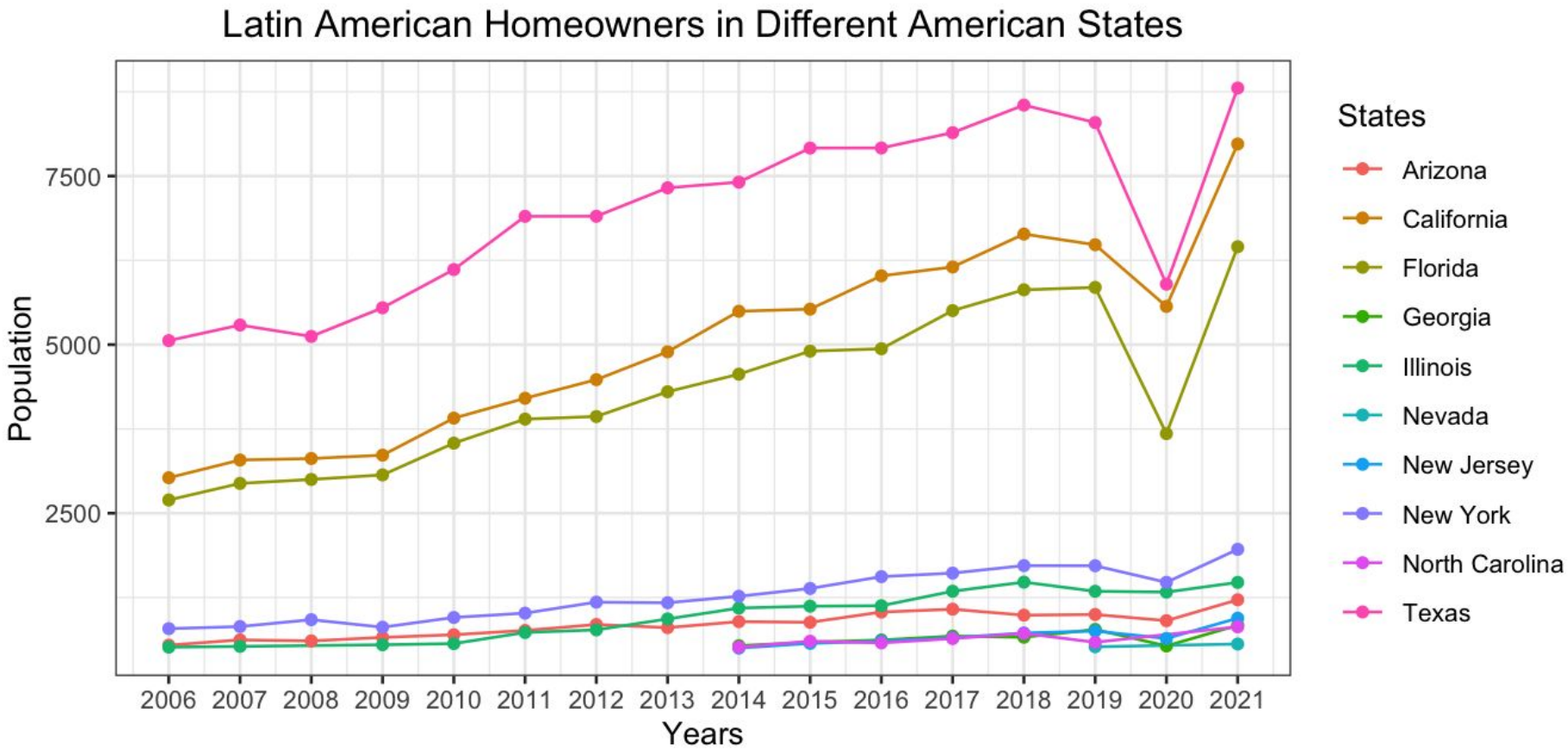
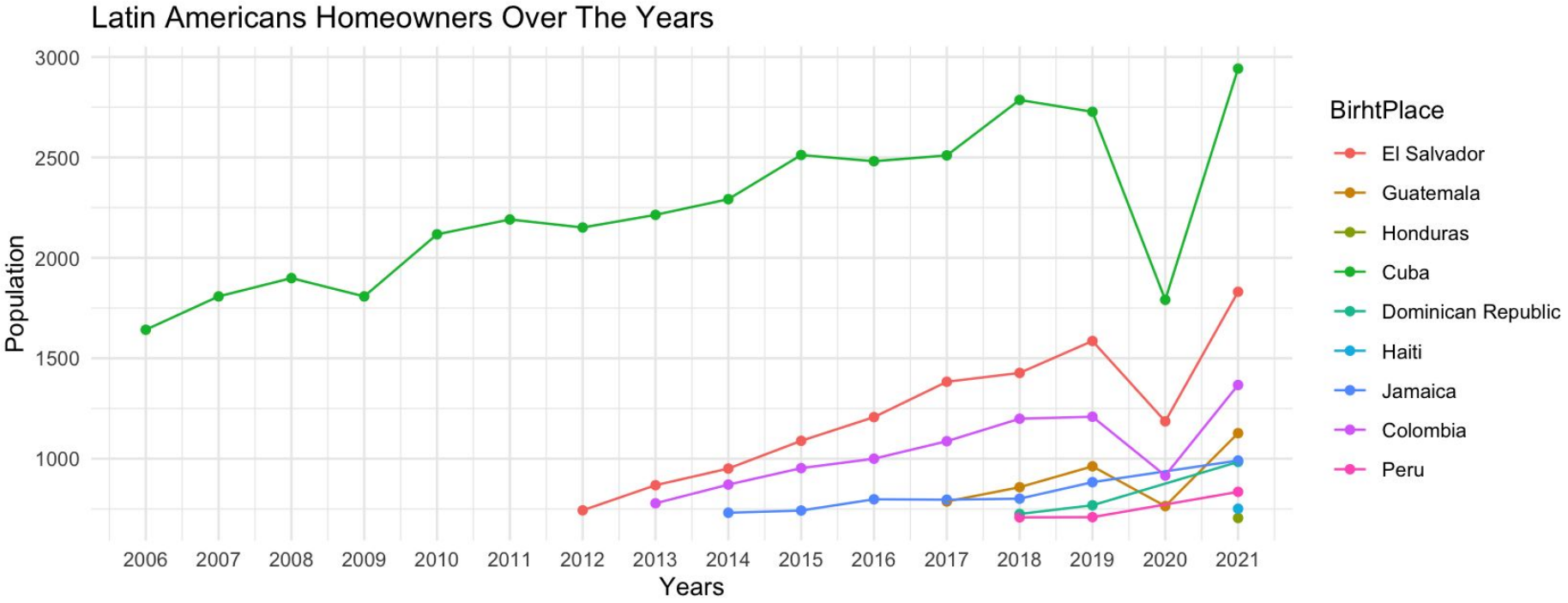

Latin American Homeowners in Different American States
Population
7500
5000
2500
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
Years
States
Arizona
California
Florida
Georgia
Illinois
Nevada
New Jersey
New York
North Carolina
Texas

```
library(tidyverse)
library(dplyr)
library(ipumsr)

ddi <- read_ipums_ddi("data/usa_00007.xml")
data <- read_ipums_micro(ddi)
write_rds(data, "data/census07.rds")

#select variables to use
clean_data <- data %>% select(YEAR,REGION, STATEFIP, CITY, OWNERSHPD, BPLD, PERWT)

#limit birthplace to Latin American countries
#remove N/A of ownership
filter_data <- clean_data %>% filter( BPLD == 26092 |
                                      (BPLD >= 30000 & BPLD <= 30091) |
                                      (BPLD >= 20000 & BPLD <= 26044),
                                    OWNERSHPD != 00, STATEFIP != 99 & STATEFIP != 97)

#change variable types from numbers to str
summary_data <- filter_data %>%
  mutate(StateLive = as_factor(STATEFIP),
         BirhtPlace = as_factor(BPLD),
         Ownership = as_factor(OWNERSHPD),
         Region = as_factor(REGION))

#Latin Immigrants in US by state whose ownership is own free and clear, population is > 500
df3 <- summary_data %>%
  filter(Ownership == "Owned free and clear") %>%
  group_by(StateLive, YEAR)%>%
  summarize(ImmigrantCount = n()) %>%
  filter(ImmigrantCount >= 500)
```

```
#ggplot - owning a house in the US
ggplot(df3, aes(x = YEAR, y = ImmigrantCount)) +
  geom_line(aes(color=StateLive))+ geom_point(aes(color=StateLive))+
  labs(color= "States",title = "Latin American Homeowners in Different American States")+
  scale_x_continuous(breaks=c(2005:2021),name="Years")+
  scale_y_continuous(name="Population")+
  theme_bw()+
  theme(plot.title = element_text(hjust=0.5))
```


Latin Americans Homeowners Over The Years
Population
3000
2500
2000
1500
1000
2006
2007
2008
2009
2010
2011
2012
2013
2014
2015
2016
2017
2018
2019
2020
2021
Years
BirhtPlace
El Salvador
Guatemala
Honduras
Cuba
Dominican Republic
Haiti
Jamaica
Colombia
Peru

```
library(tidyverse)
library(dplyr)
library(ipumsr)



ddi <- read_ipums_ddi("data/usa_00007.xml")
data <- read_ipums_micro(ddi)
write_rds(data, "data/census07.rds")

clean_data <- data %>% select(YEAR,REGION, STATEFIP, CITY, OWNERSHPD, BPLD)

filter_data <- clean_data %>% filter( BPLD == 26092 |
                                      (BPLD >= 30000 & BPLD <= 30091) |
                                      (BPLD >= 20000 & BPLD <= 26044),
                                    OWNERSHPD != 00, STATEFIP != 99 & STATEFIP != 97)

latin_american_data <- filter_data %>%
  mutate(Homeowner = ifelse(OWNERSHPD == 12, "Homeowner", "Non-Homeowner"))
  mutate(StateLive = as_factor(STATEFIP),
         BirhtPlace = as_factor(BPLD),
         Ownership = as_factor(OWNERSHPD),
         Region = as_factor(REGION))

homeowners <- xx %>%
  filter(BirhtPlace != "Mexico", BirhtPlace != "South America, ns") %>%
  group_by(YEAR, BirhtPlace, Homeowner) %>%
  summarize(Count = n())

homeowners <- homeowners %>%
  filter(Homeowner == "Homeowner") %>%
  filter(Count>=700)
```

```
# Create a plot to visualize the counts over the years, grouped by birthplace
ggplot(homeowners, aes(x = YEAR, y = Count)) +
  geom_point(aes(color=BirhtPlace))+
  geom_line(aes(color= BirhtPlace, group=BirhtPlace))+
  labs(title = "Latin Americans Homeowners Over The Years",
       x = "Year",
       y = "Count",
       fill = "Birthplace") +
  scale_x_continuous(breaks=c(2006:2021),name="Years")+
  scale_y_continuous(name="Population")+
  theme_minimal()
```