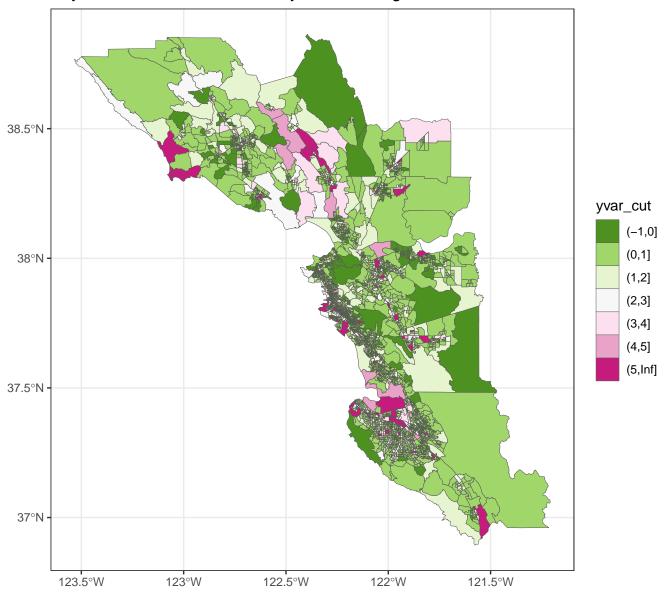
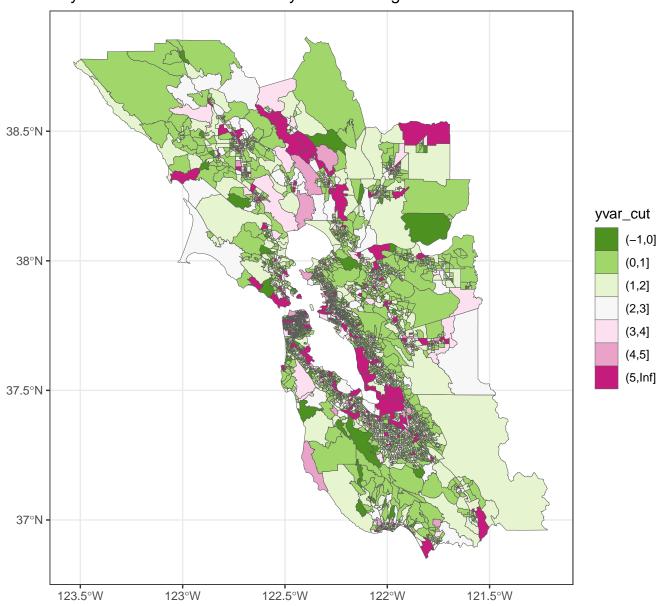
##---- Mon Aug 23 16:17:57 2021 -----##

Bay Area Data Overview

#### Bay Area 2018 Summer Mobility Over 34 Degrees



Bay Area 2019 Summer Mobility Over 34 Degrees



#### Bay Area 2020 Summer Mobility Over 34 Degrees



Distribution of Top 100 MI 2019 MW\_U: pval = 0.414 KS: pval = 0.6997.5 -5.0 2.5 density 2020 MW\_U: pval = 0.414 KS:/pval = 0.699 7.5 -5.0 2.5 0.0 0.25 0.75 0.50 0.00

pop\_density

Distribution of Top 100 MI 2019 40 Dense CBGs 2019: 5 2020: 4 Binom Prob Success:0.02 p value:0.026 null:0.05 30 -20 -10 count 2020 40 Dense CBGs 2019: 5 2020: 4 Binom Prob Success:0.02 p value:0.026 null:0.05 30 -20 -10 -

0.50

pop\_density

0.75

0.00

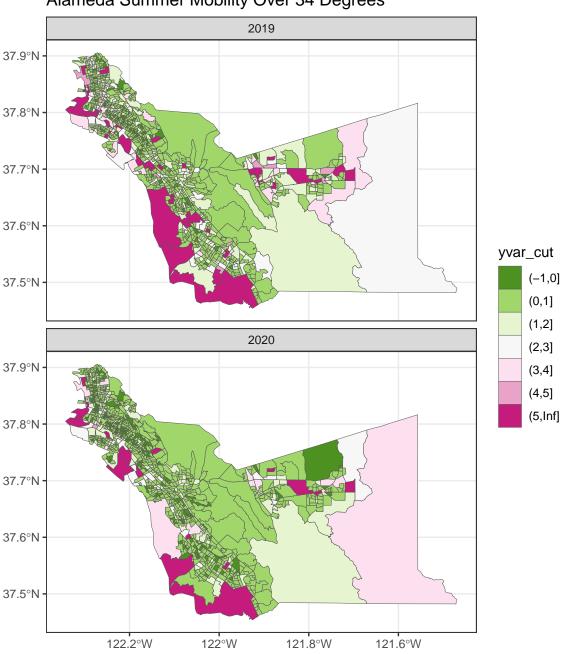
0.25

Distribution of Pop Density of Top 100 MI (split by County) 06013 06041 06001 06055 0.15 -0.20 -0.15 0.4 -0.15 0.10 -0.10 0.10 0.2 -0.05 0.05 -0.05 0.0 0.00 0.00 0.00 06001 06013 06041 06055 06075 06081 06085 06087 0.4 0.5 year 0.4 2020.00 0.75 -0.3 pop\_density 0.2 -0.3 -2019.75 0.50 0.2 2019.50 0.2 -0.1 0.25 -0.1 -2019.25 0.1 -2019.00 0.0 0.0 0.00 0.0 06075 06081 06085 06087 06095 06097 0.06 0.20 0.04 -0.15 0.10 -0.02 -0.05 -0.00 -0.00 -06095 06097 fips

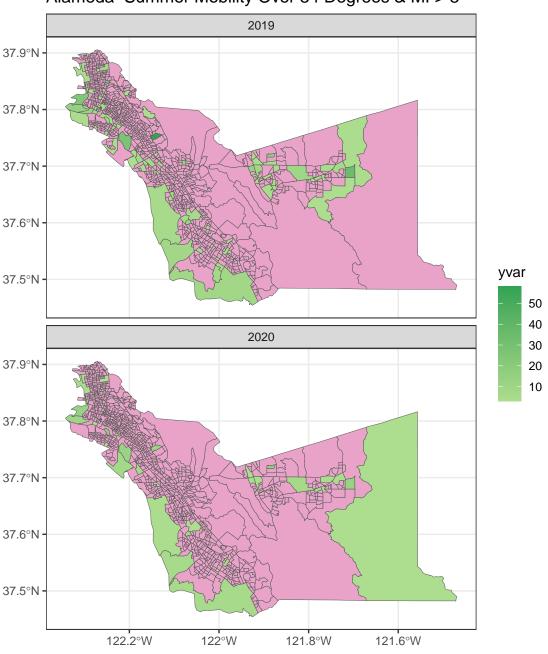
Distribution of Pop Density of Top 100 MI (all incl outliers)  $MW_U$ : pval = 0.414 KS: pval = 0.6990.75 year 2020.00 pop\_density 2019.75 2019.50 2019.25 8 2019.00 0.25 -0.00 -06055 06075 06081 06001 06013 06041 06085 06087 06095 06097 fips

Distribution of Pop Density of Top 100 MI (no outliers) MW\_U: pval = 0.414 KS: pval = 0.6990.2 year 2020.00 pop\_density 2019.75 2019.50 2019.25 0.1 2019.00 0.0 06075 06081 06001 06013 06041 06055 06085 06087 06095 06097 fips

# Alameda Summer Mobility Over 34 Degrees



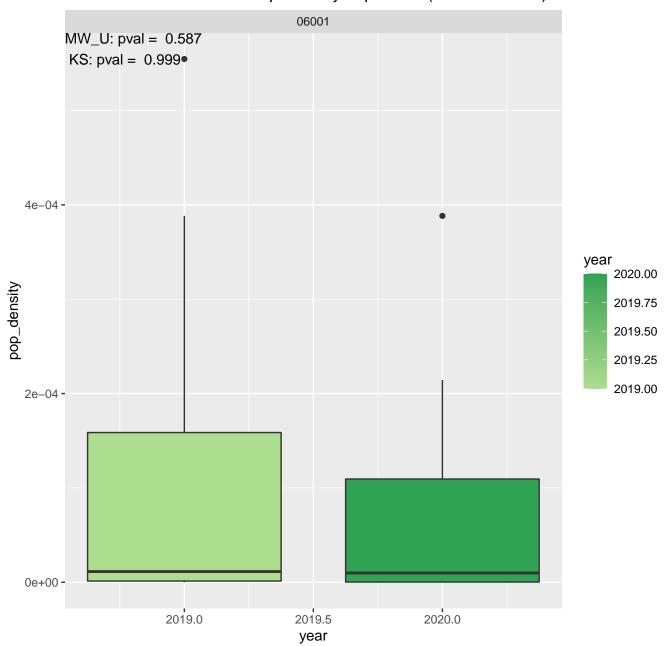
Alameda Summer Mobility Over 34 Degrees & MI > 3



Alameda Distribution of top 15 CBGs 2019 6000 - MW\_U: pval = 0.587 KS: pval = 0.9994000 -2000 0 ep 6000 -MW\_U: pval = 0.587 1 − 0.999 2020 KS: pval = 0.9994000 2000 0 0e+00 2e-04 4e-04 pop\_density

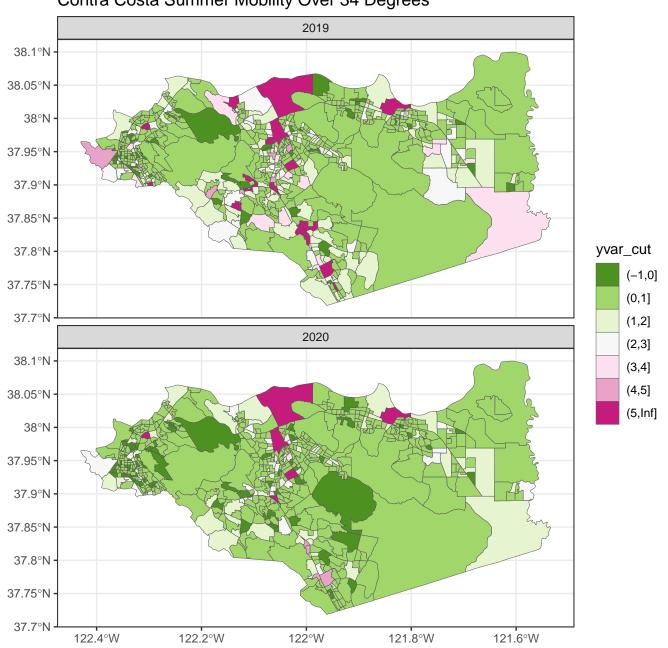
Alameda Distribution of top 15 CBGs 2019 Dense CBGs 2019: 1 2020: 0 6 Binom Prob Success:0 p value:0.126 null:0.0666666666666666 4 2 0 count 2020 Dense CBGs 2019: 1 2020: 0 6 Binom Prob Success:0 p value:0.126 null:0.06666666666666667 4 2 0e+00 2e-04 4e-04 pop\_density

Alameda Distribution of Pop Density Top 15 MI (all incl outliers)

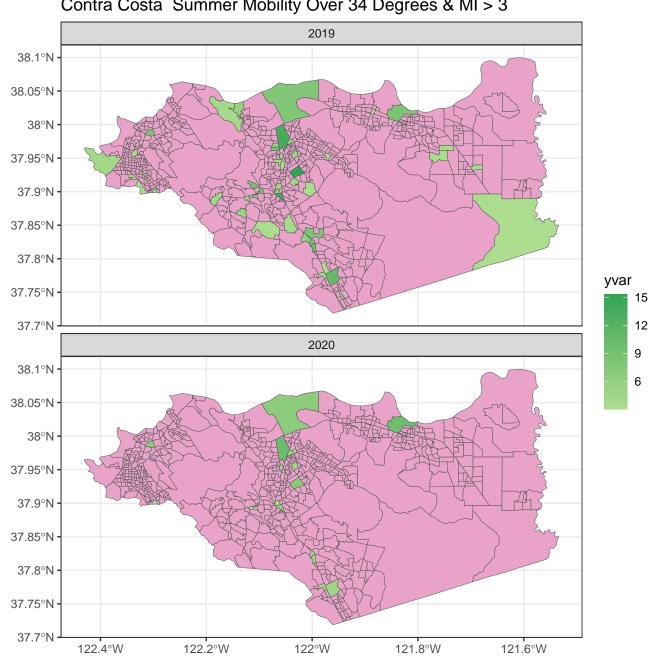


Alameda Distribution of Pop Density Top 15 MI (no outliers) 06001  $MW_U: pval = 0.587$ KS: pval = 0.9990.00020 -0.00015 year 2020.00 pop\_density 2019.75 2019.50 0.00010 -2019.25 2019.00 0.00005 -0.00000 -2019.0 2019.5 2020.0 year

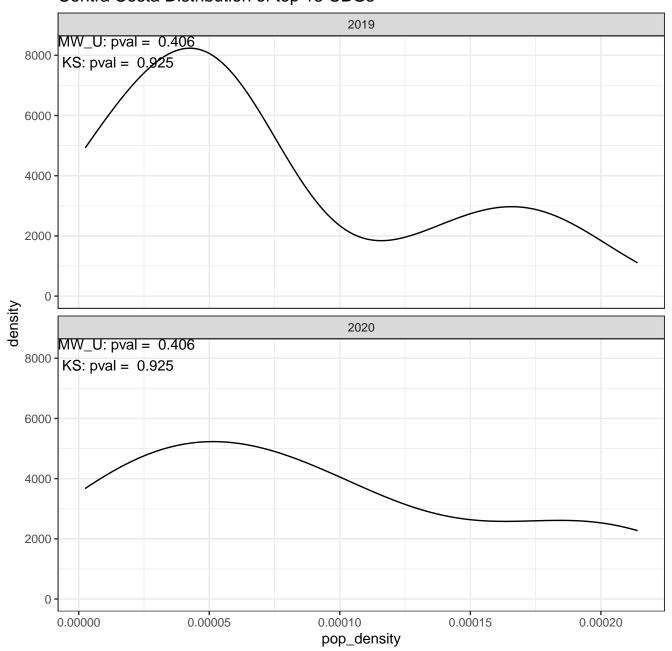
### Contra Costa Summer Mobility Over 34 Degrees



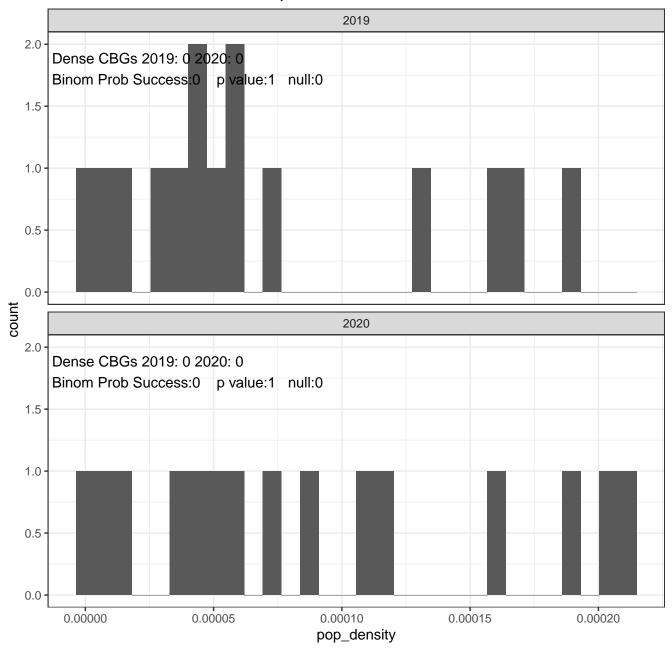
Contra Costa Summer Mobility Over 34 Degrees & MI > 3



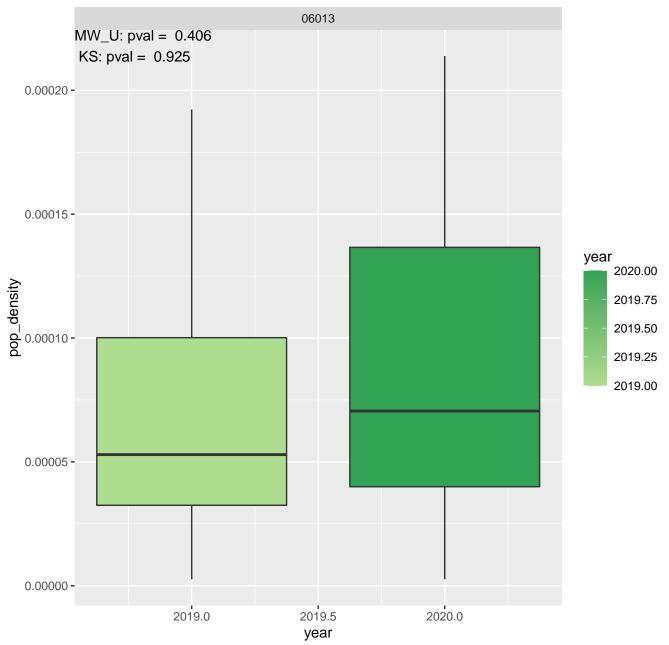
Contra Costa Distribution of top 15 CBGs



Contra Costa Distribution of top 15 CBGs

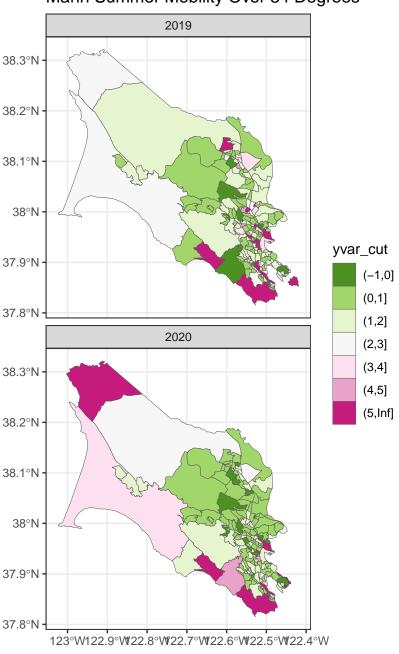


Contra Costa Distribution of Pop Density Top 15 MI (all incl outliers)

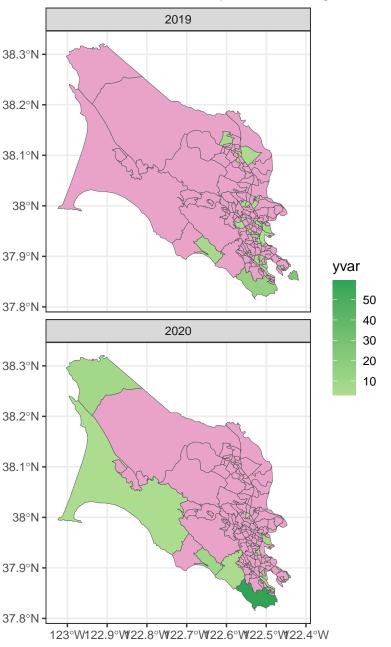


Contra Costa Distribution of Pop Density Top 15 MI (no outliers) 06013  $MW_U: pval = 0.406$ KS: pval = 0.9250.00020 -0.00015 year 2020.00 bob\_density 0.00010 -2019.75 2019.50 2019.25 2019.00 0.00005 -0.00000 -2019.0 2020.0 2019.5 year

## Marin Summer Mobility Over 34 Degrees

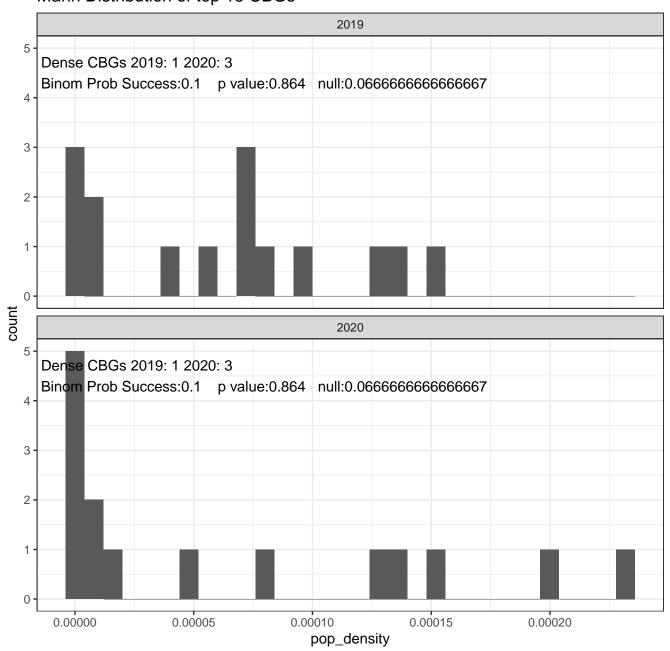


## Marin Summer Mobility Over 34 Degrees & MI > 3



Marin Distribution of top 15 CBGs 2019  $MW_U$ : pval = 0.868 KS: pval = 0.9256000 4000 -2000 0 density 2020  $MW_U$ : pval = 0.868 KS: pval = 0.9256000 4000 2000 0 0.00000 0.00005 0.00010 0.00015 0.00020 pop\_density

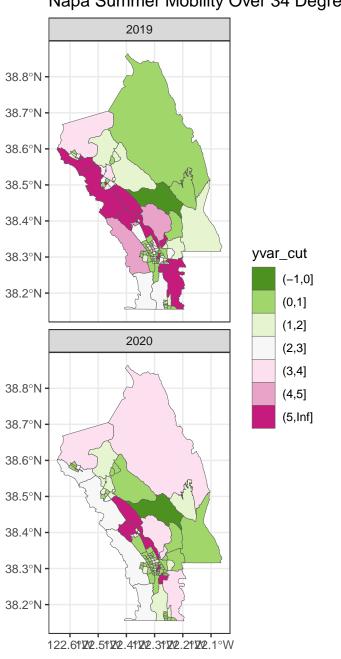
Marin Distribution of top 15 CBGs



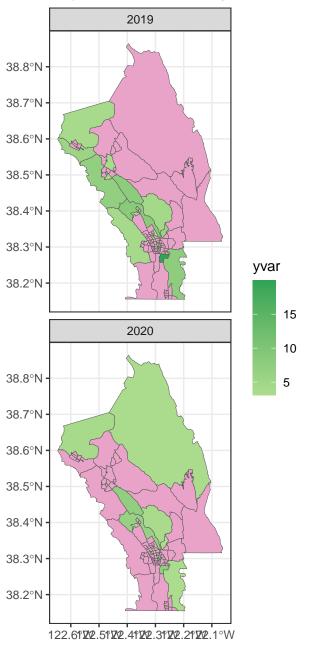
Marin Distribution of Pop Density Top 15 MI (all incl outliers) 06041  $MW_U: pval = 0.868$ KS: pval = 0.9250.00020 -0.00015 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0.00005 -0.00000 -2019.0 2019.5 2020.0 year

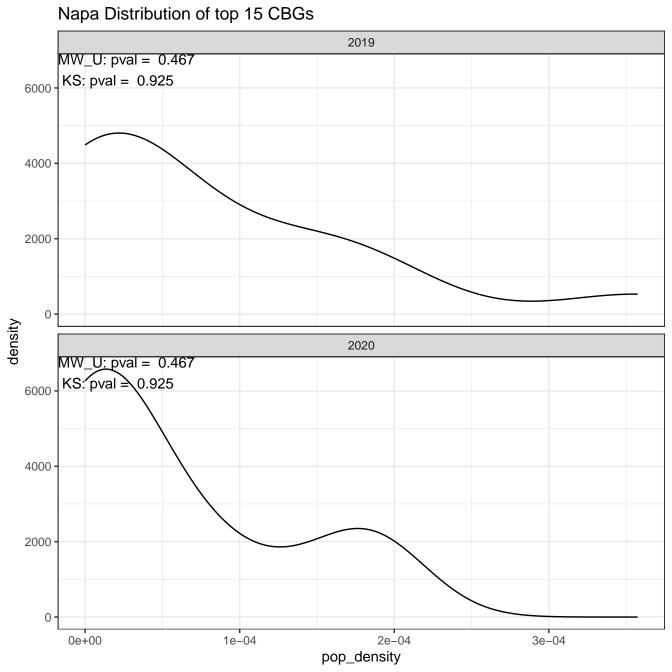
Marin Distribution of Pop Density Top 15 MI (no outliers) 06041  $_{0.00025}$  -MW\_U: pval = 0.868 KS: pval = 0.9250.00020 -0.00015 year 2020.00 pop\_density 2019.75 2019.50 2019.25 0.00010 -2019.00 0.00005 -0.00000 -2019.5 2019.0 2020.0 year

## Napa Summer Mobility Over 34 Degrees



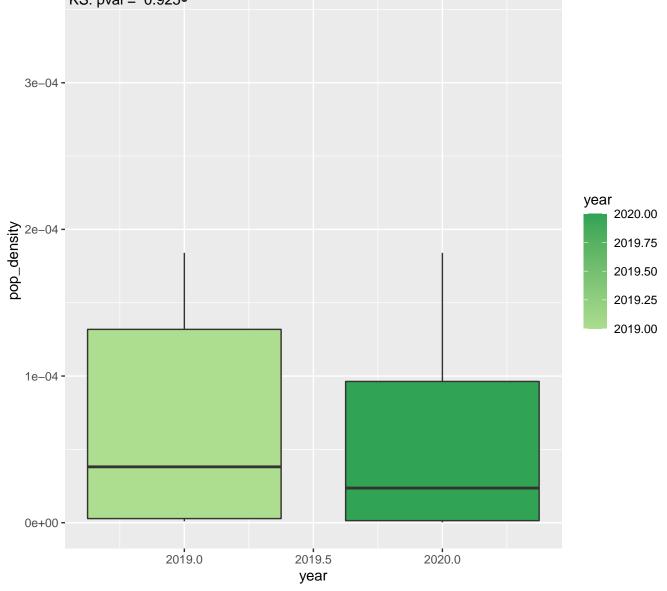
Napa Summer Mobility Over 34 Degrees & MI > 3





Napa Distribution of top 15 CBGs 2019 6 Dense CBGs 2019: 1 2020: 0 Binom Prob Success:0 p value:0.126 null:0.0666666666666667 0 count 2020 Dense CBGs 2019: 1 2020: 0 Binom Prob Success:0 p value:0.126 null:0.0666666666666667 2 0e+00 1e-04 2e-04 3e-04 pop\_density

Napa Distribution of Pop Density Top 15 MI (all incl outliers) 06055  $MW_U: pval = 0.467$ KS: pval = 0.925• 3e-04 year 2020.00 2019.75 2019.50 2019.25 2019.00



Napa Distribution of Pop Density Top 15 MI (no outliers) 06055  $0.00020 - MW_U: pval = 0.467$ KS: pval = 0.9250.00015 year 2020.00 pop\_density 0.00010 -2019.75 2019.50 2019.25 2019.00 0.00005 -0.00000 -

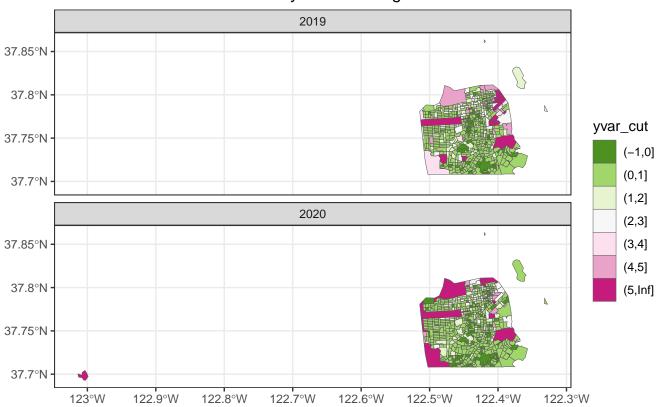
2019.5

year

2020.0

2019.0

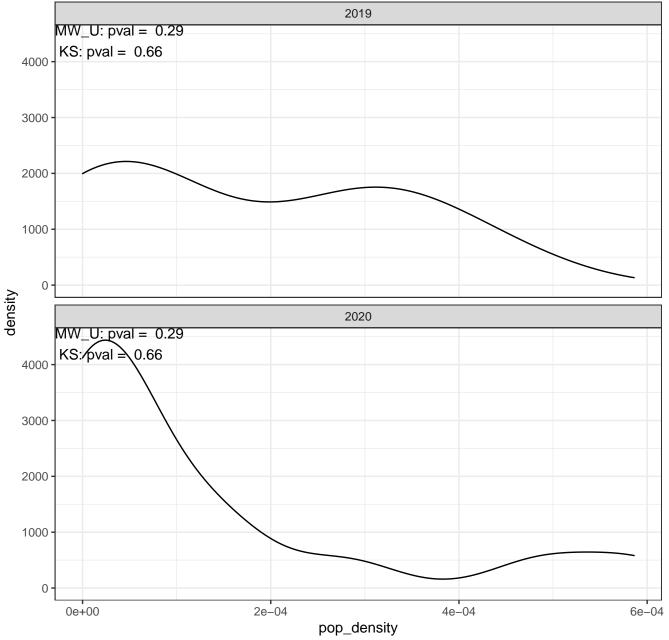
#### San Francisco Summer Mobility Over 34 Degrees



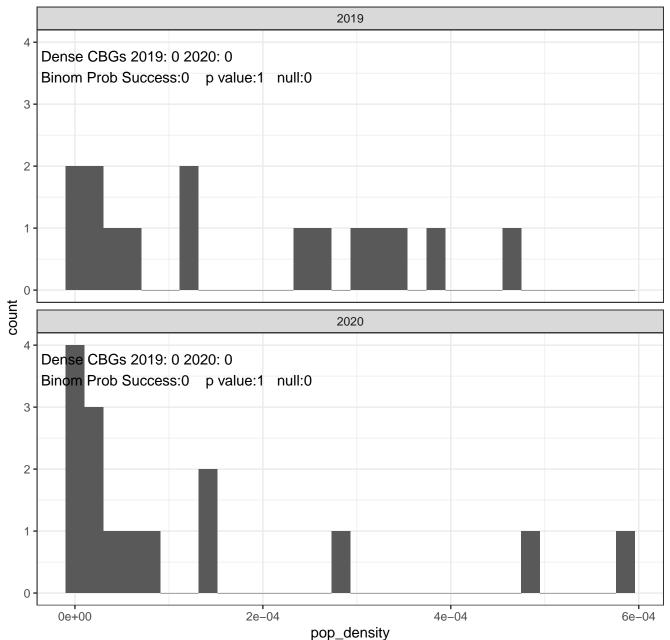
#### San Francisco Summer Mobility Over 34 Degrees & MI > 3



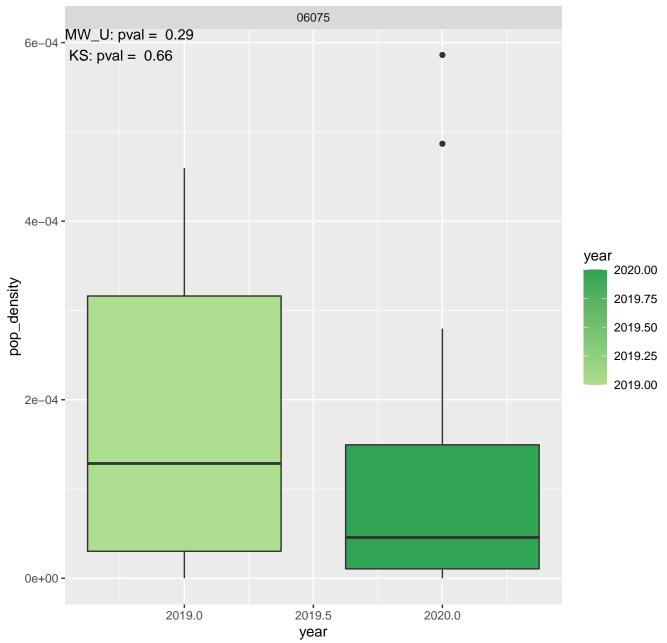
San Francisco Distribution of top 15 CBGs



San Francisco Distribution of top 15 CBGs

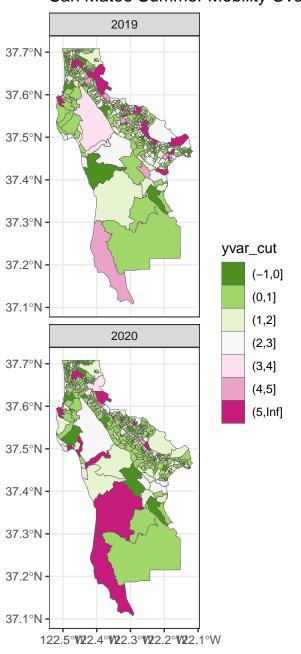


San Francisco Distribution of Pop Density Top 15 MI (all incl outliers)

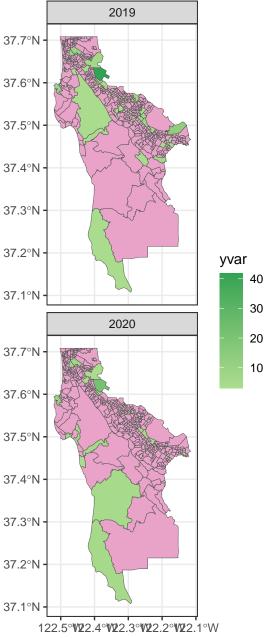


San Francisco Distribution of Pop Density Top 15 MI (no outliers) 06075  $MW_U: pval = 0.29$ KS: pval = 0.666e-04 **-**4e-04 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 2e-04 -0e+00 -2019.0 2019.5 2020.0 year

# San Mateo Summer Mobility Over 34 Degrees



San Mateo Summer Mobility Over 34 Degrees & MI > 3



San Mateo Distribution of top 15 CBGs 2019  $5000 - MW_U: pval = 0.803$ KS: pval = 0.9254000 -3000 -2000 1000 0 density 2020 5000 -MW\_U: pval = 0.803 KS: pval = 0.9254000 -3000 2000 1000 0 0e+00 1e-04 2e-04 3e-04

pop\_density

4e-0

San Mateo Distribution of top 15 CBGs 2019 3 -Dense CBGs 2019: 1 2020: 1 Binom Prob Success: 0.033333333333333 p value: 0.397 null: 0.06666666666666667 2 0 count 2020 3 -Dense CBGs 2019: 1 2020: 1 Binom Prob Success: 0.033333333333333 p value: 0.397 null: 0.06666666666666666 2

2e-04

pop\_density

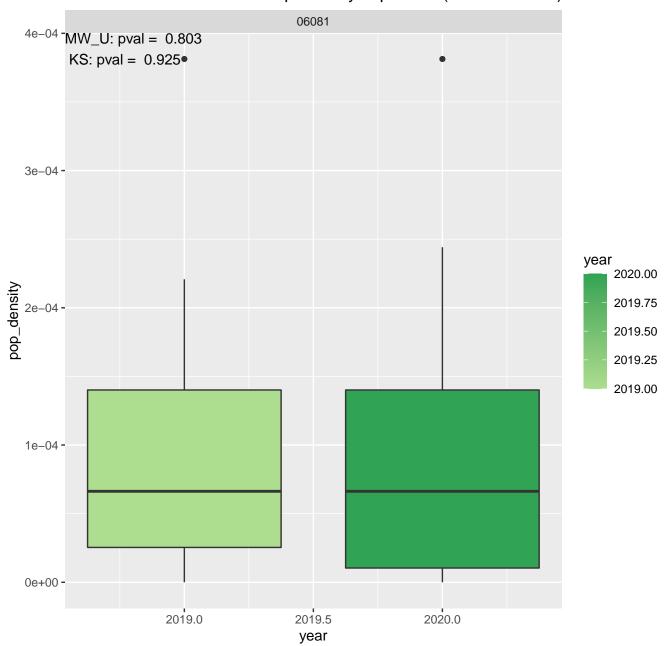
1e-04

3e-04

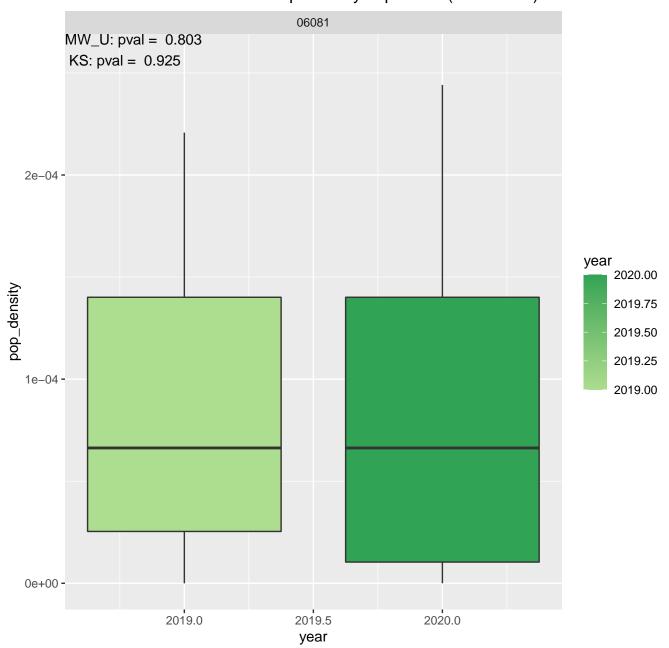
4e-04

0e+00

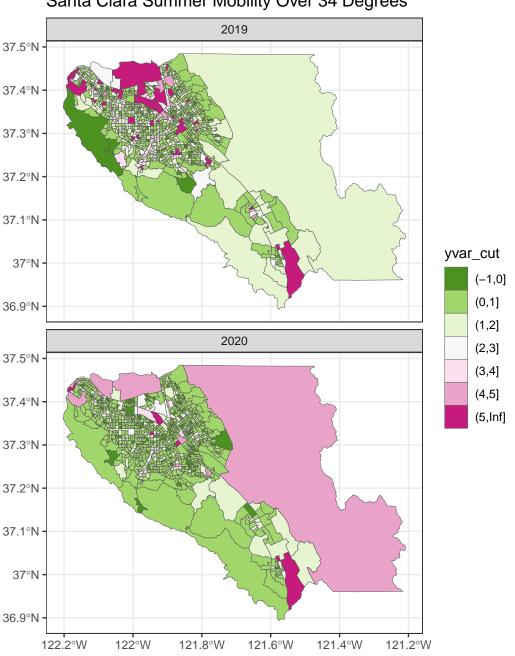
San Mateo Distribution of Pop Density Top 15 MI (all incl outliers)



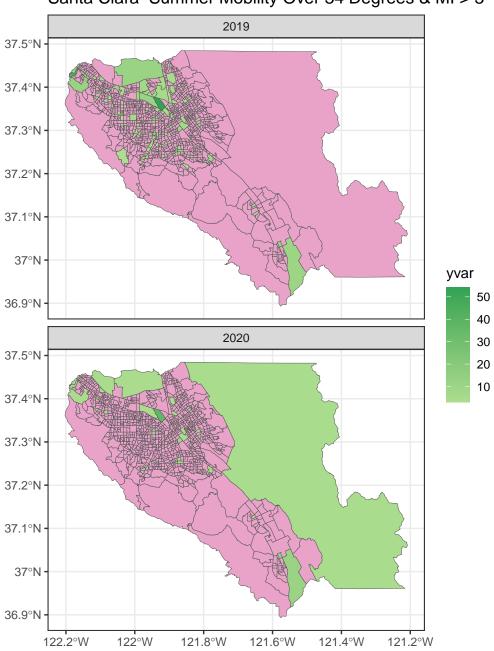
San Mateo Distribution of Pop Density Top 15 MI (no outliers)



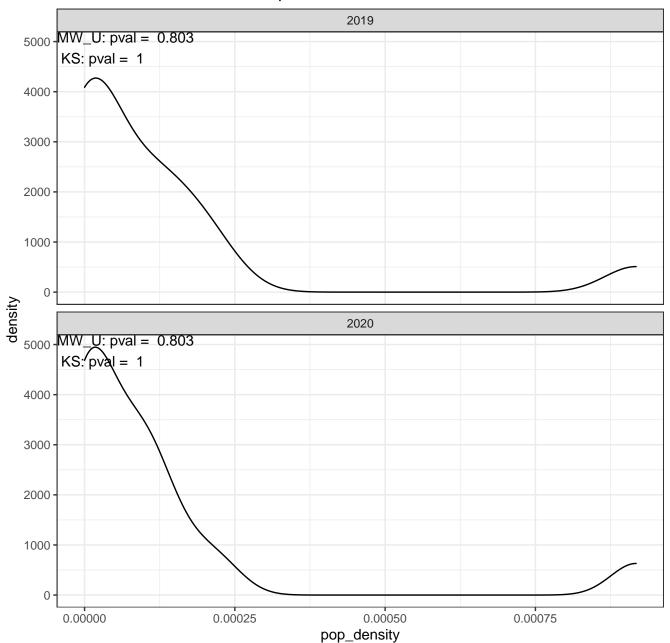
#### Santa Clara Summer Mobility Over 34 Degrees



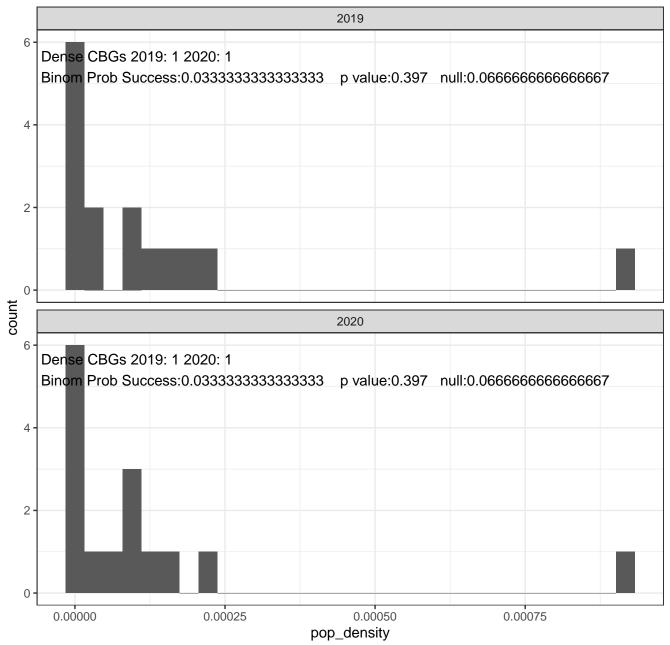
Santa Clara Summer Mobility Over 34 Degrees & MI > 3



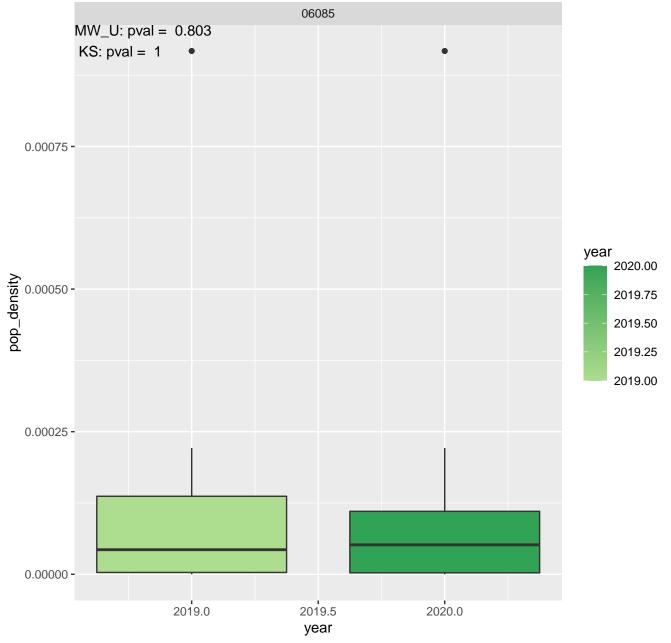
Santa Clara Distribution of top 15 CBGs



Santa Clara Distribution of top 15 CBGs

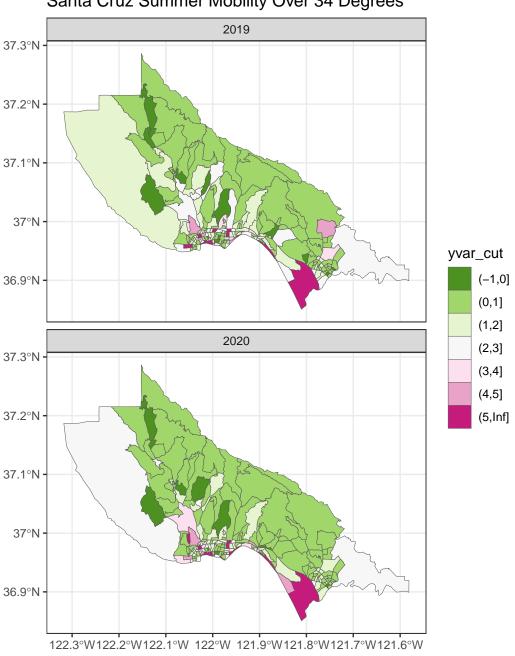


Santa Clara Distribution of Pop Density Top 15 MI (all incl outliers)

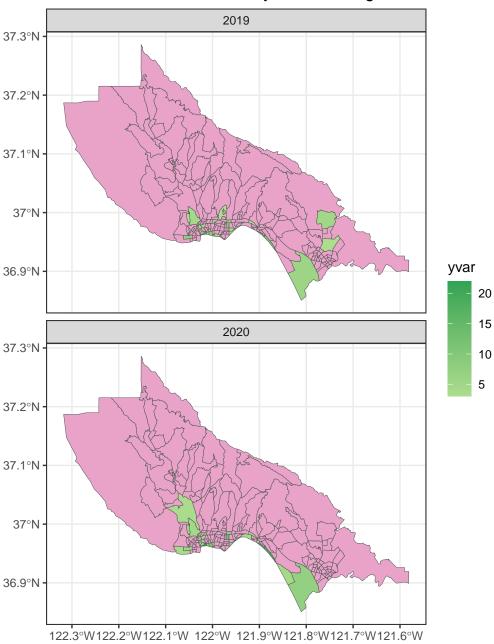


Santa Clara Distribution of Pop Density Top 15 MI (no outliers) 06085  $MW_U: pval = 0.803$ KS: pval = 10.00020 -0.00015 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0.00005 -0.00000 -2019.0 2019.5 2020.0 year

# Santa Cruz Summer Mobility Over 34 Degrees

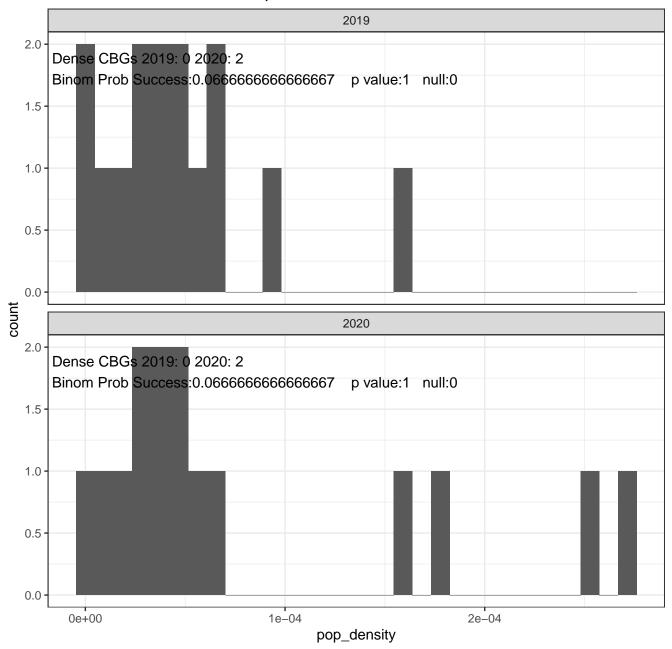


Santa Cruz Summer Mobility Over 34 Degrees & MI > 3

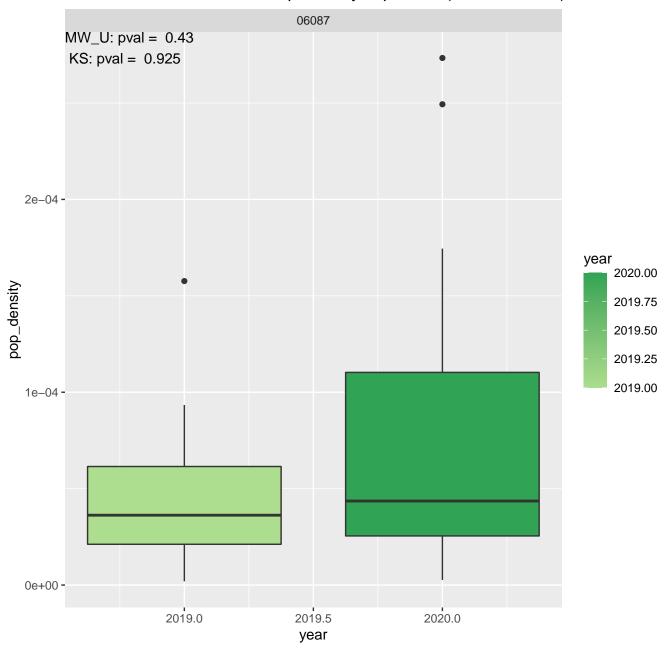


Santa Cruz Distribution of top 15 CBGs 2019  $MW_U: pval = 0.43$ KS: pval ≠ 0.925 10000 -7500 5000 -2500 -0 density 2020  $MW_U$ : pval = 0.43 KS: pval = 0.92510000 -7500 -5000 -2500 -0 -0e+00 1e-04 2e-04 pop\_density

Santa Cruz Distribution of top 15 CBGs

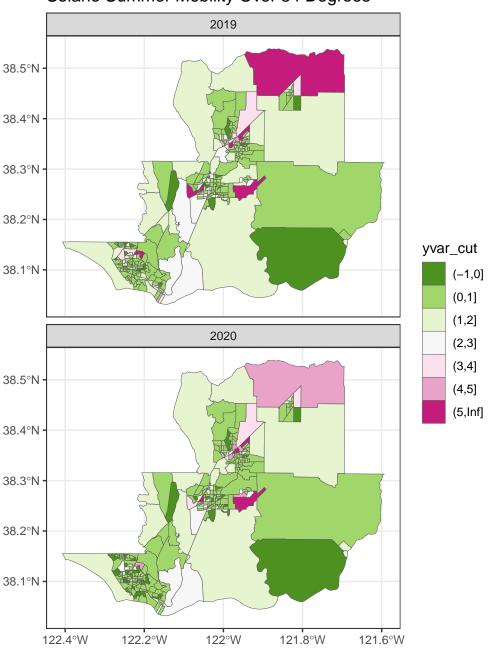


Santa Cruz Distribution of Pop Density Top 15 MI (all incl outliers)

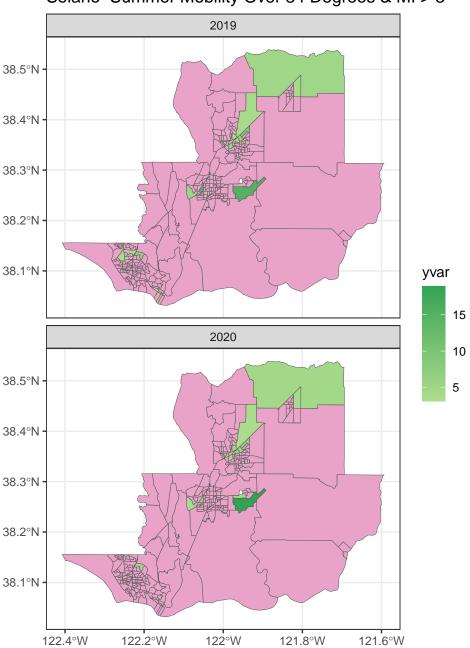


Santa Cruz Distribution of Pop Density Top 15 MI (no outliers) 06087  $_{1.0e-04}$  MW\_U: pval = 0.43 KS: pval = 0.9257.5e-05 year 2020.00 pop\_density 5.0e-05 -2019.75 2019.50 2019.25 2019.00 2.5e-05 -0.0e+00 -2019.0 2019.5 2020.0 year

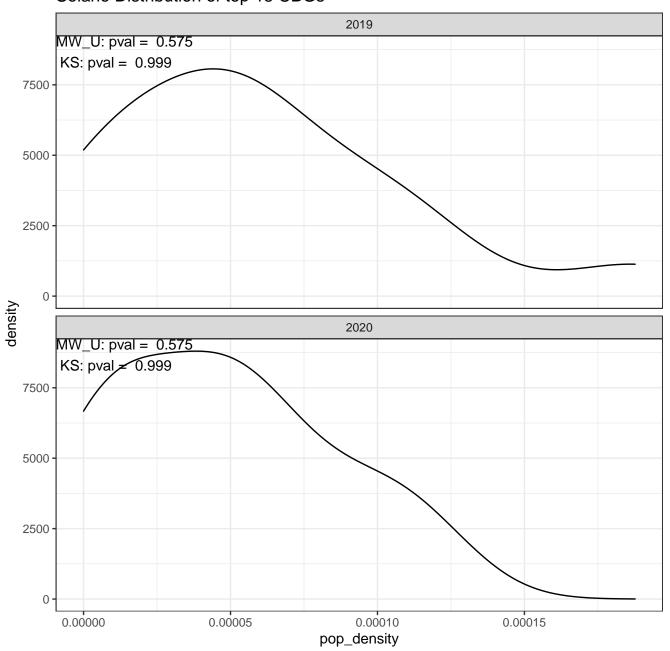
# Solano Summer Mobility Over 34 Degrees



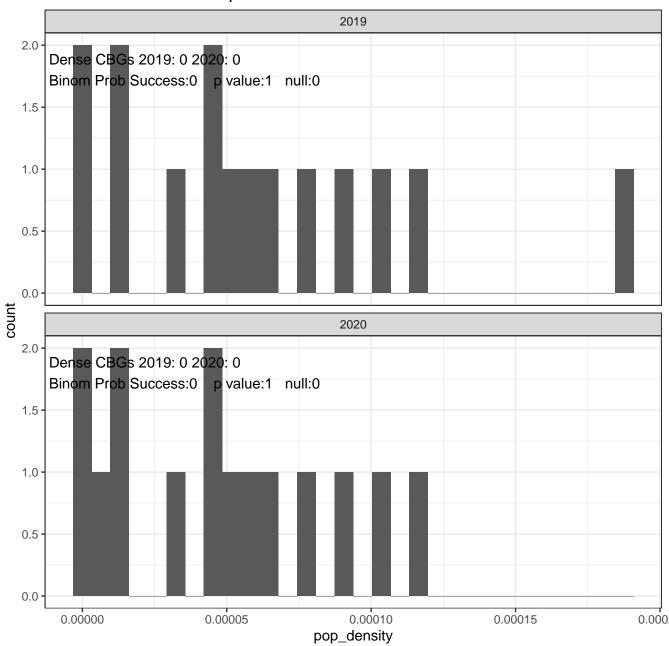
Solano Summer Mobility Over 34 Degrees & MI > 3



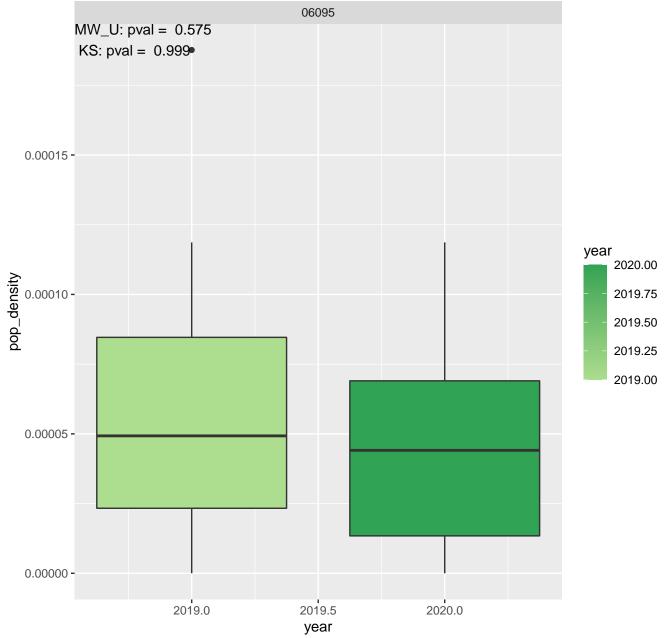
Solano Distribution of top 15 CBGs



Solano Distribution of top 15 CBGs

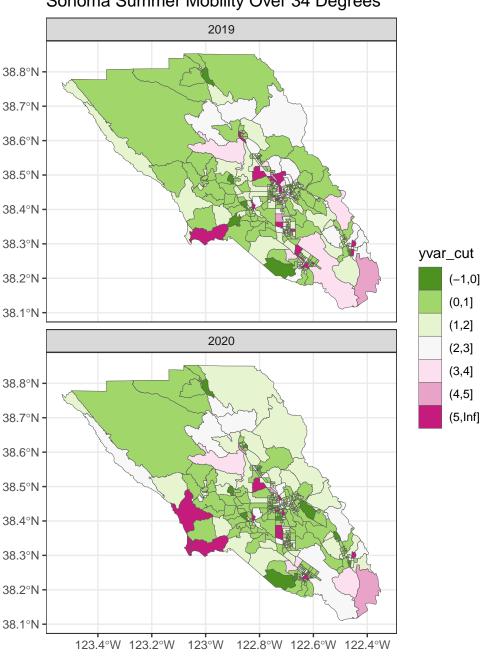


Solano Distribution of Pop Density Top 15 MI (all incl outliers)

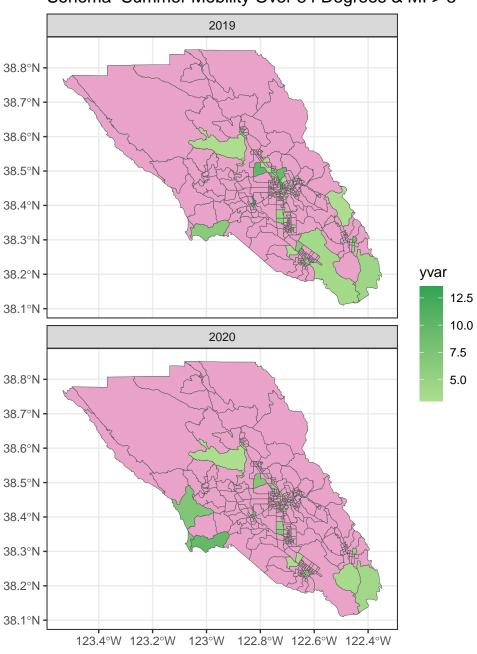


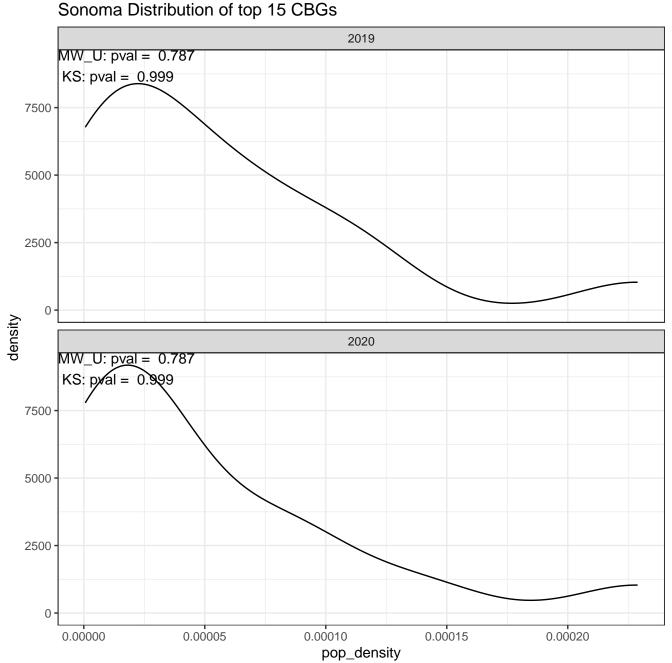
Solano Distribution of Pop Density Top 15 MI (no outliers) 06095  $MW_U: pval = 0.575$ KS: pval = 0.9990.00012 -0.00008 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0.00004 -0.00000 -2019.0 2019.5 2020.0 year

### Sonoma Summer Mobility Over 34 Degrees

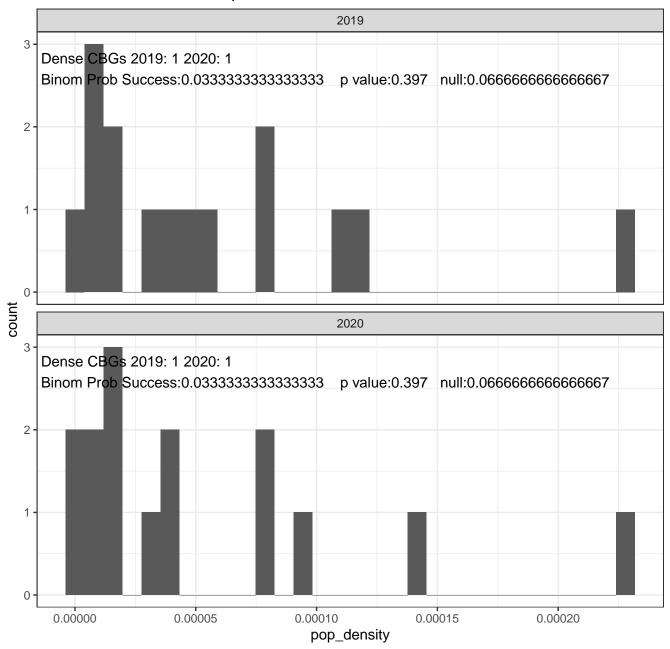


Sonoma Summer Mobility Over 34 Degrees & MI > 3





Sonoma Distribution of top 15 CBGs



Sonoma Distribution of Pop Density Top 15 MI (all incl outliers) 06097  $MW_U: pval = 0.787$ KS: pval = 0.999 0.00020 -0.00015 year 2020.00 pop\_density 0.00010 -2019.75 2019.50 2019.25 2019.00 0.00005 -0.00000 -2019.0 2019.5 2020.0 year

Sonoma Distribution of Pop Density Top 15 MI (no outliers) 06097 0.00015 MW\_U: pval = 0.787 KS: pval = 0.999 0.00010 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0.00005 -0.00000 -2019.0 2019.5 2020.0 year