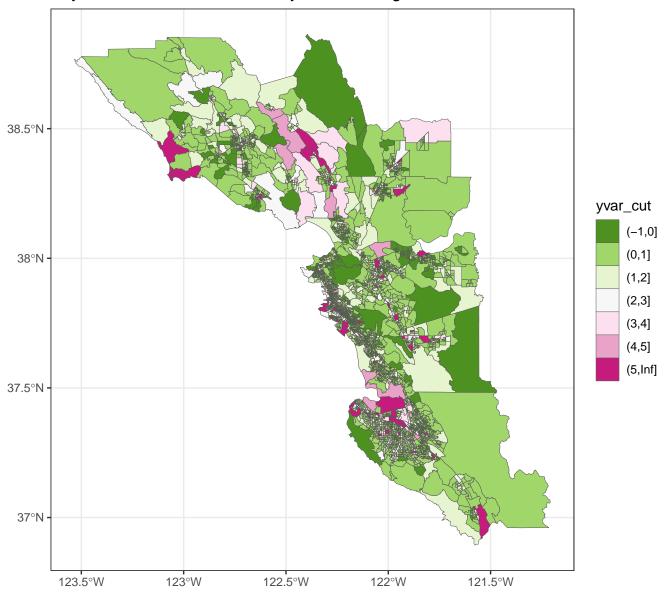
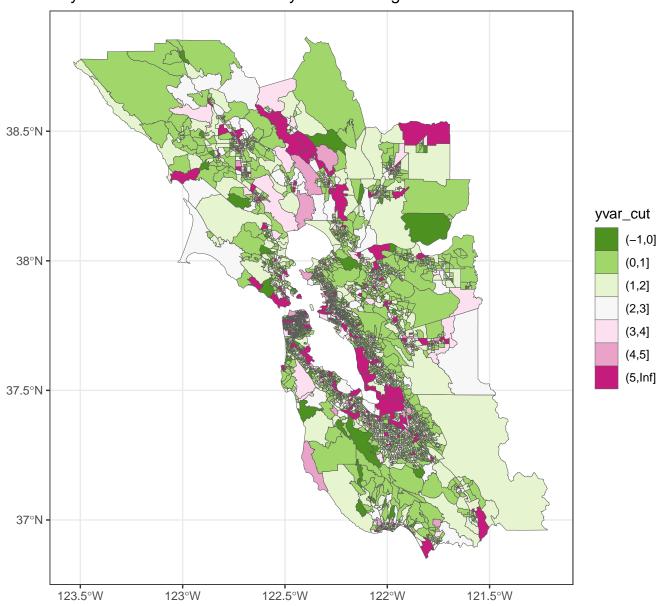
##---- Mon Aug 23 17:28:09 2021 ----## Bay Area Data Overview

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

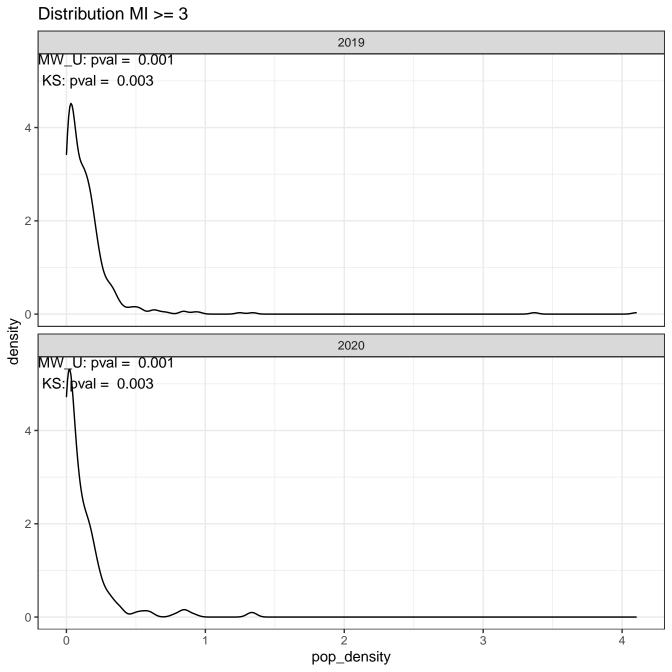


Bay Area 2019 Summer Mobility Over 34 Degrees



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





Distribution MI >= 3 2019 Dense CBGs 2019: 27 2020: 15 Binom Prob Success:0.022 p value:0 null:0.059 150 -100 -50 0 count 2020 Dense CBGs 2019: 27 2020: 15 Binom Prob Success:0.022 p value:0 null:0.059 150 -100 50

pop\_density

3

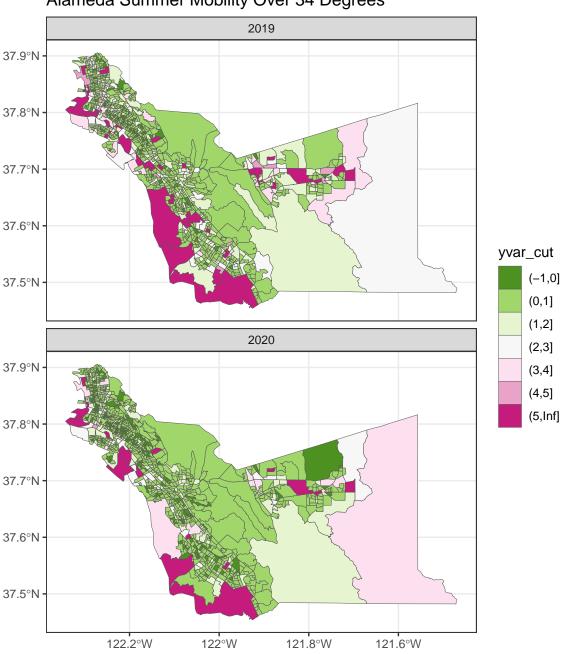
0

Distribution of Pop Density MI >= 3 (split by County) 06001 06013 06041 06055 0.3 0.20 -0.3 1.0 -0.15 -0.2 0.2 0.10 -0.5 -0.1 -0.1 0.05 0.0 0.00 0.0 0.0 06001 06013 06041 06055 06075 06081 06085 06087 0.4 4 year 2020.00 0.75 -0.3 3 -0.2 pop\_density 2019.75 0.50 0.2 2 -2019.50 0.1 -0.25 0.1 2019.25 2019.00 0 0.0 0.00 0.0 06087 06075 06081 06085 06095 06097 0.20 0.15 -0.15 0.10 -0.10 -0.05 -0.05 0.00 0.00 06095 06097 fips

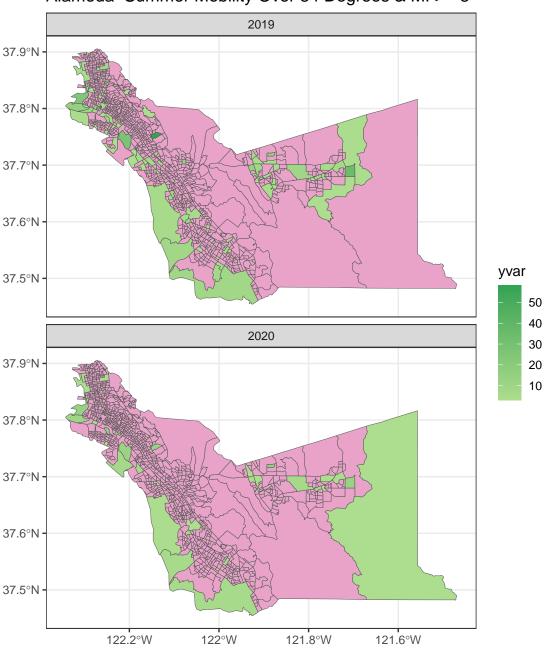
Distribution of Pop Density MI >= 3 (all incl outliers)  $MW_U: pval = 0.001$ KS: pval = 0.0033 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0 06081 06085 06001 06013 06041 06055 06075 06087 06095 06097 fips

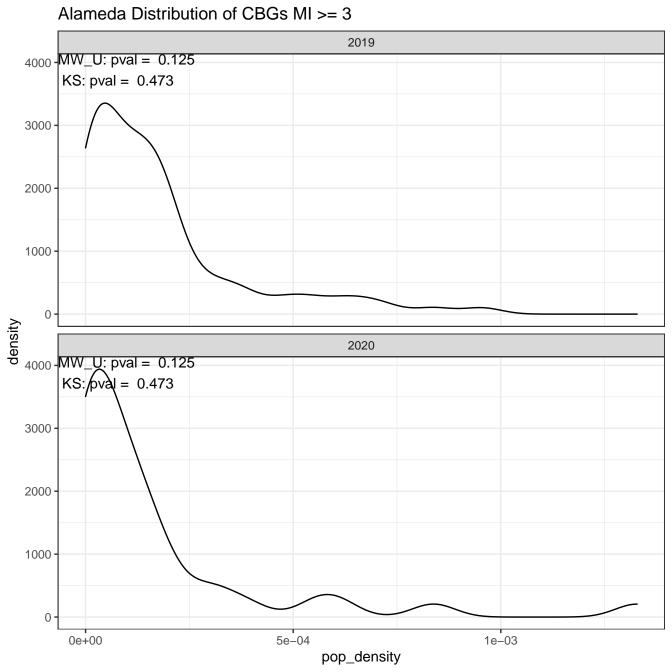
Distribution of Pop Density MI >= 3 (no outliers)  $MW_U: pval = 0.001$ KS: pval = 0.0030.4 -0.3 year 2020.00 bop\_density of 2019.75 2019.50 2019.25 2019.00 0.1 0.0 06075 06081 06001 06013 06041 06055 06085 06087 06095 06097 fips

# Alameda Summer Mobility Over 34 Degrees

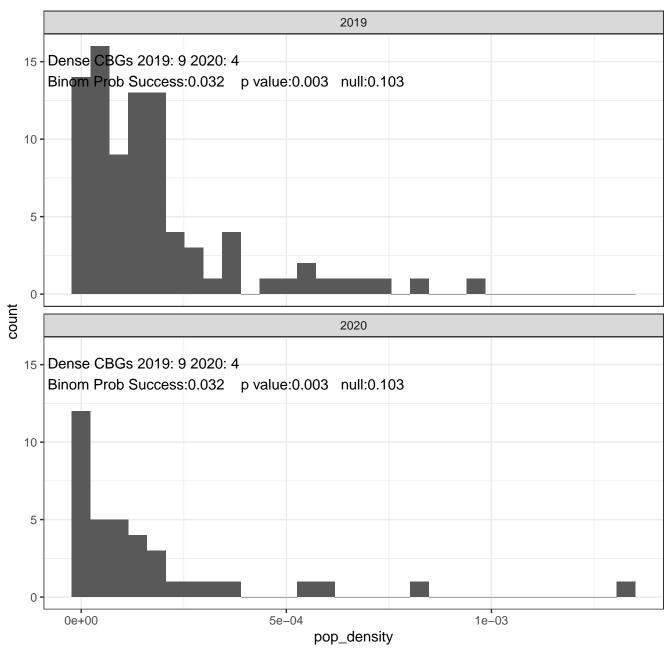


Alameda Summer Mobility Over 34 Degrees & MI >= 3

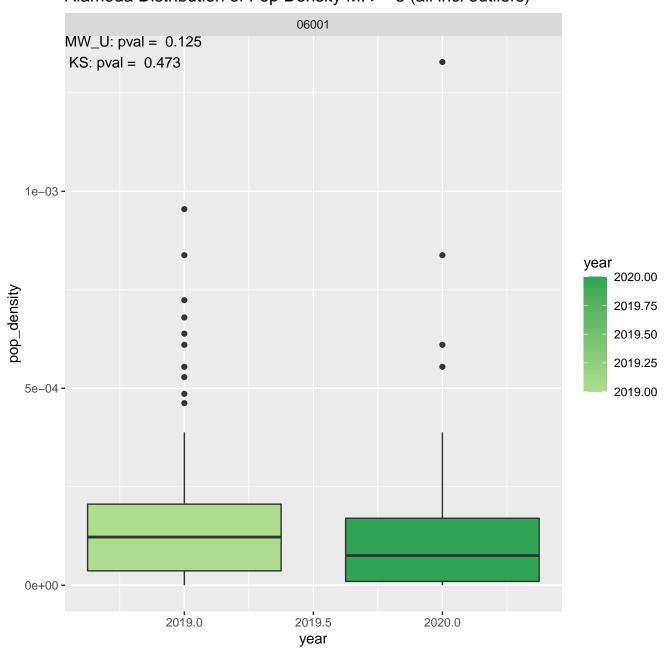




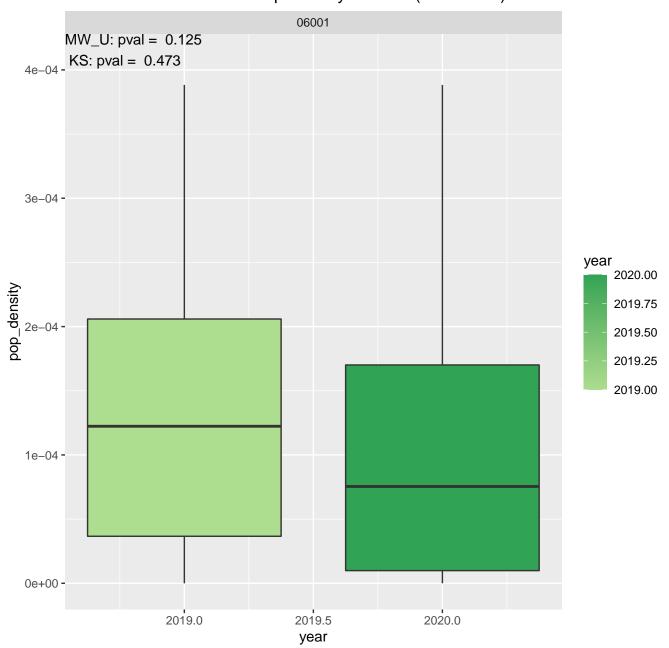
Alameda Distribution of CBGs MI >= 3



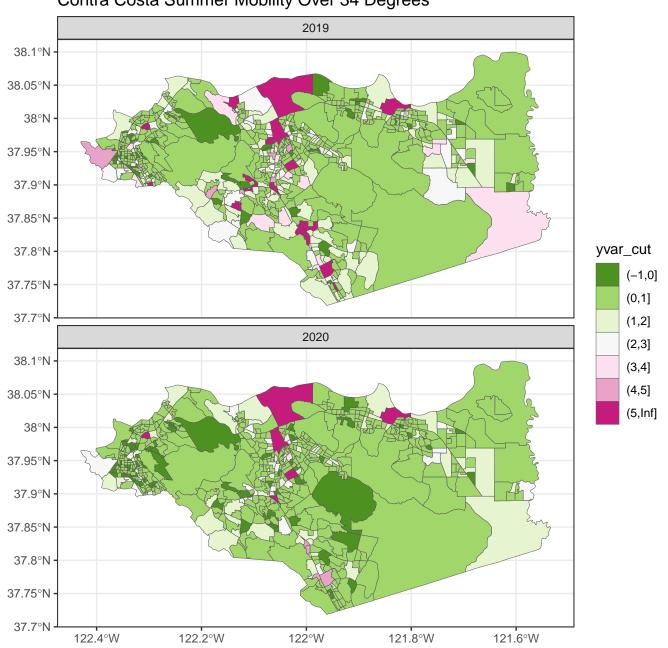
Alameda Distribution of Pop Density MI >= 3 (all incl outliers)



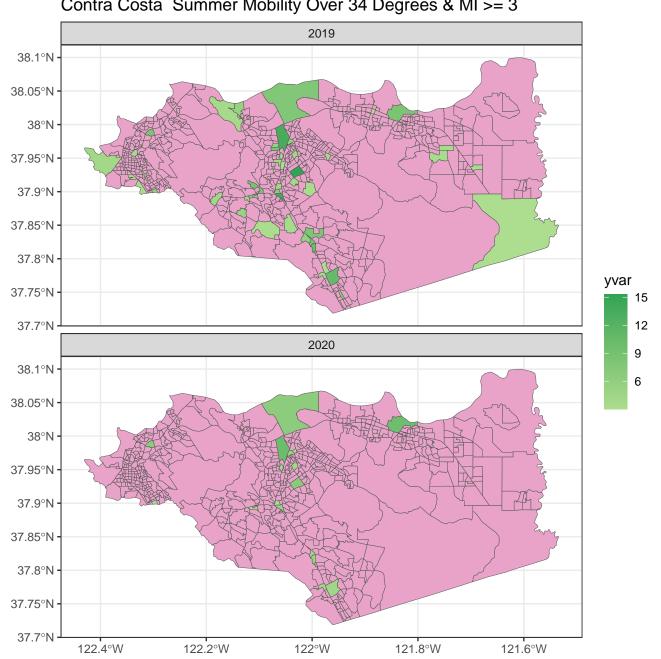
Alameda Distribution of Pop Density MI >= 3 (no outliers)

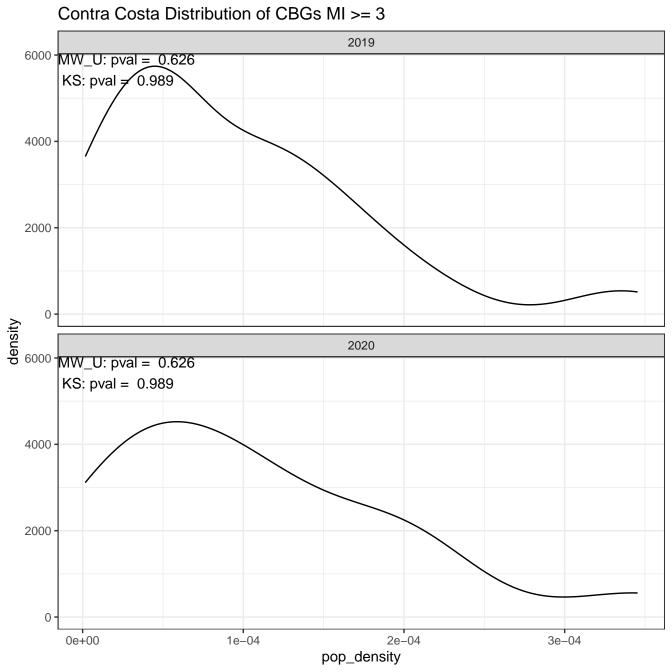


### Contra Costa Summer Mobility Over 34 Degrees



Contra Costa Summer Mobility Over 34 Degrees & MI >= 3

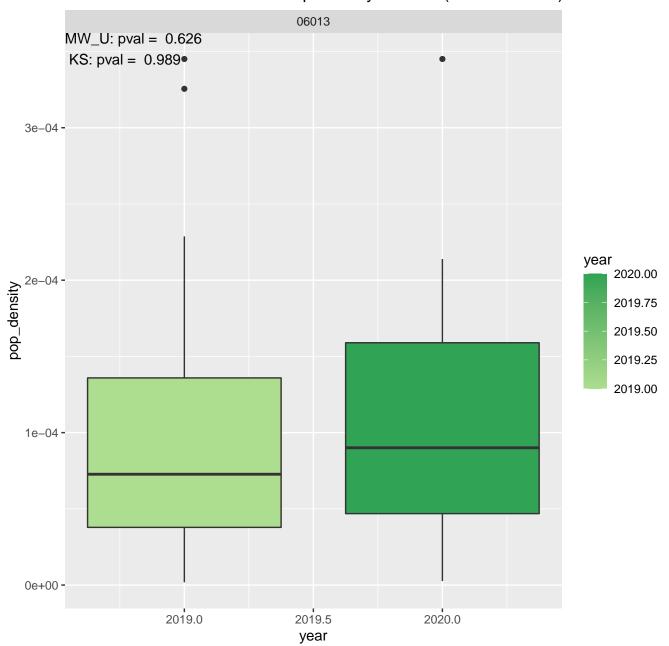




Contra Costa Distribution of CBGs MI >= 3 2019 6 Dense CBGs 2019: 3 2020: 1 Binom Prob Success: 0.016 p value: 0.077 null: 0.065 4 2 0 count 2020 6 Dense CBGs 2019: 3 2020: 1 Binom Prob Success: 0.016 p value: 0.077 null: 0.065 4 2 . 0e+00 1e-04 2e-04 3e-04

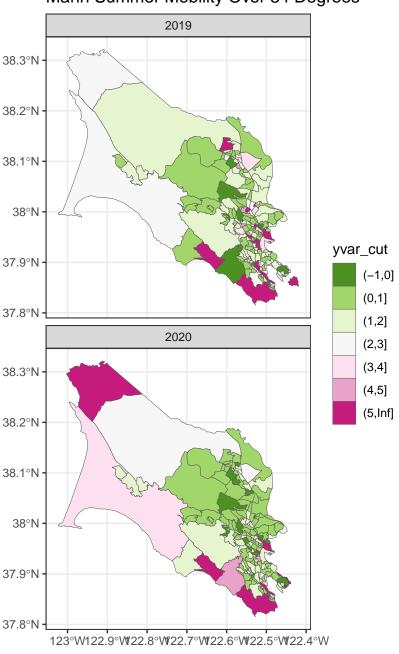
pop\_density

Contra Costa Distribution of Pop Density MI >= 3 (all incl outliers)

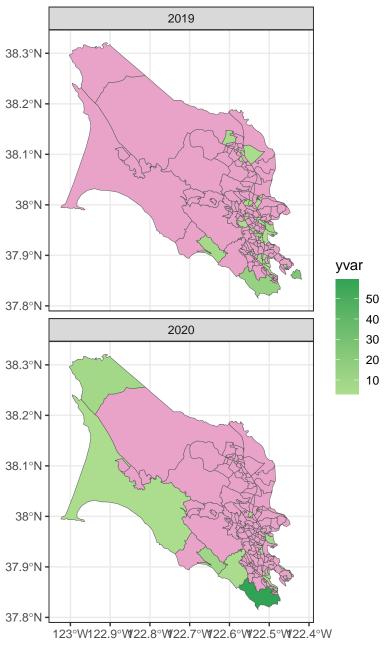


Contra Costa Distribution of Pop Density MI >= 3 (no outliers) 06013  $0.00025 - MW_U: pval = 0.626$ KS: pval = 0.9890.00020 -0.00015 year 2020.00 pop\_density 2019.75 2019.50 2019.25 0.00010 -2019.00 0.00005 -0.00000 -2019.0 2020.0 2019.5 year

# Marin Summer Mobility Over 34 Degrees

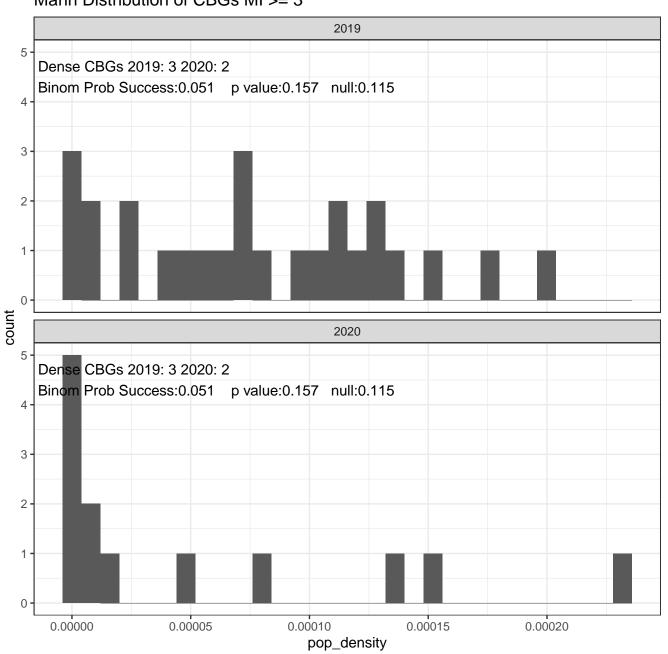


# Marin Summer Mobility Over 34 Degrees & MI >= 3



Marin Distribution of CBGs MI >= 3 2019  $MW_U$ : pval = 0.118 8000 -KS: pval = 0.096000 -4000 2000 0 density 2020 MW\_U: pval = 0.118 8000 -KS: pval = 0.096000 4000 2000 0 0.00000 0.00005 0.00010 0.00015 0.00020 pop\_density

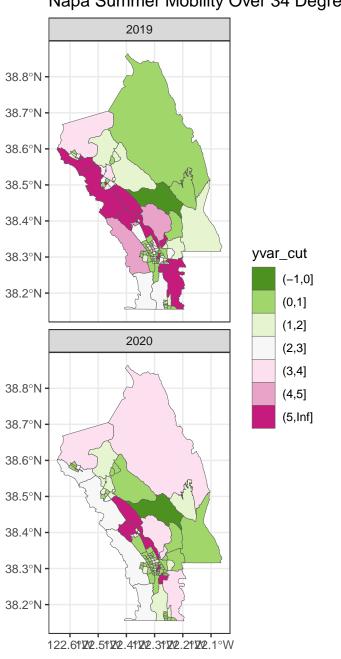
Marin Distribution of CBGs MI >= 3



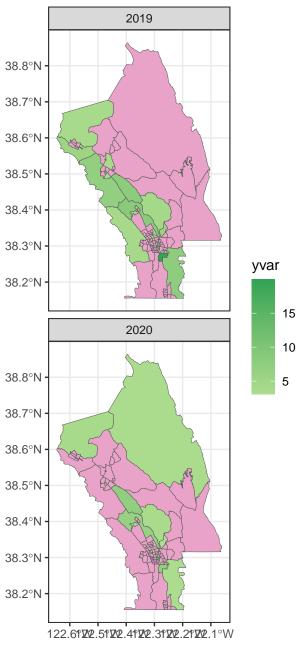
Marin Distribution of Pop Density MI >= 3 (all incl outliers) 06041  $MW_U: pval = 0.118$ KS: pval = 0.090.00020 -0.00015 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0.00005 -0.00000 -2019.0 2019.5 2020.0 year

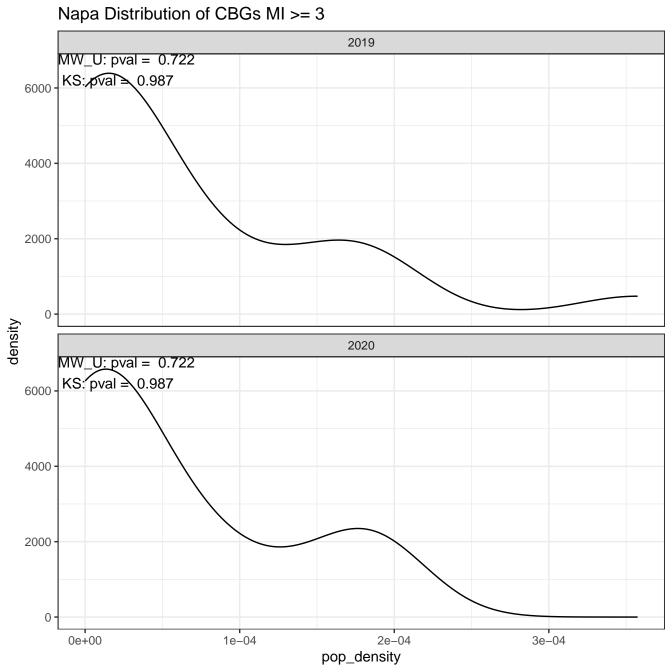
Marin Distribution of Pop Density MI >= 3 (no outliers) 06041  $_{0.00025}$  -MW\_U: pval = 0.118 KS: pval = 0.090.00020 -0.00015 year 2020.00 pop\_density 2019.75 2019.50 2019.25 0.00010 -2019.00 0.00005 -0.00000 -2019.0 2019.5 2020.0 year

# Napa Summer Mobility Over 34 Degrees

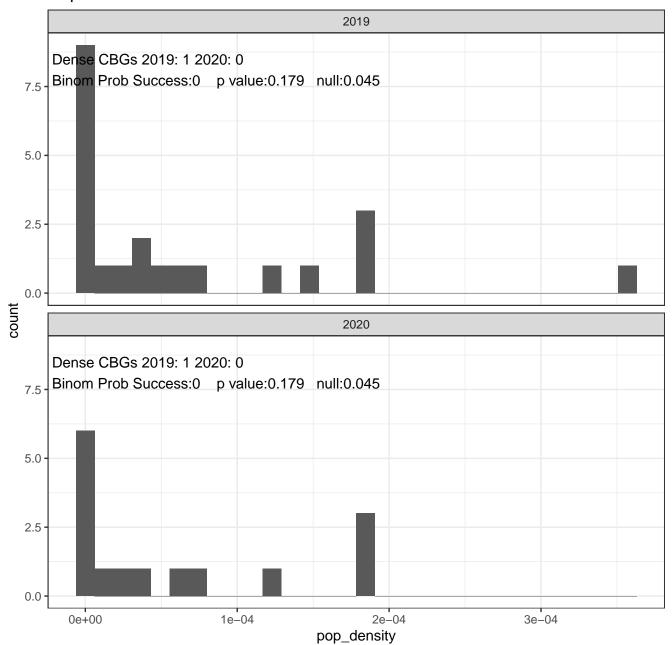


Napa Summer Mobility Over 34 Degrees & MI >= 3





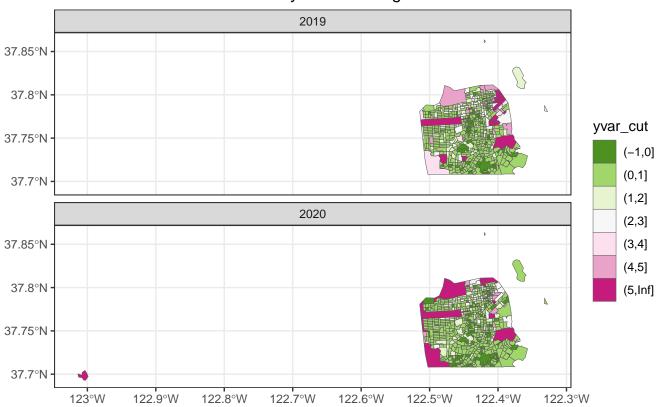
Napa Distribution of CBGs MI >= 3



Napa Distribution of Pop Density MI >= 3 (all incl outliers) 06055  $MW_U: pval = 0.722$ KS: pval = 0.987• 3e-04 year 2020.00 2019.75 2019.50 2019.25 2019.00 1e-04 -0e+00 -2019.0 2019.5 2020.0 year

Napa Distribution of Pop Density MI >= 3 (no outliers) 06055  $0.00020 - MW_U: pval = 0.722$ KS: pval = 0.9870.00015 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

#### San Francisco Summer Mobility Over 34 Degrees

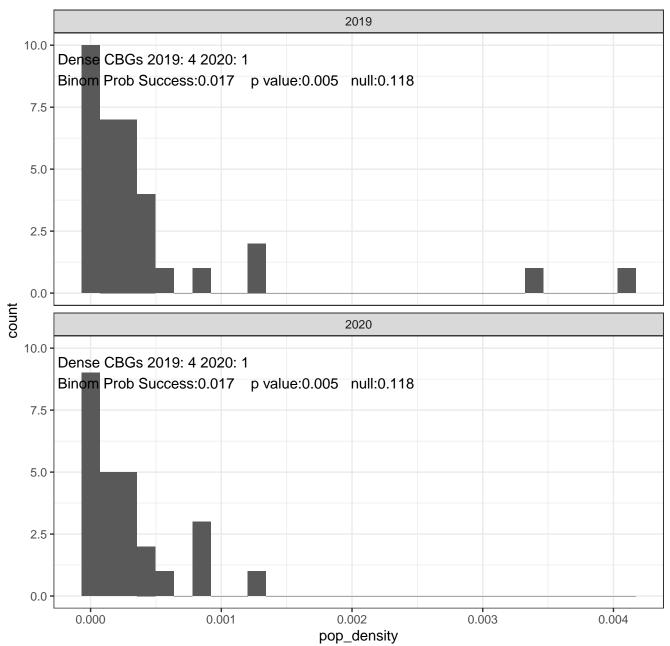


#### San Francisco Summer Mobility Over 34 Degrees & MI >= 3

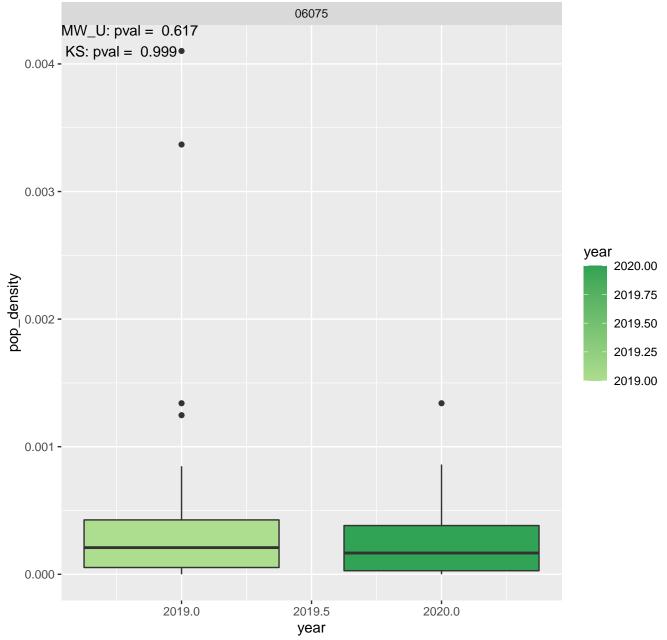


San Francisco Distribution of CBGs MI >= 3 2019 MW\_U: pval = 0.617 KS: pval = 0.999 1500 1000 -500 0 density 2020  $MW_{U}$ : pval = 0.617 KS:/pval = 0.9991500 1000 -500 -0 0.002 0.000 0.001 0.003 0.004 pop\_density

San Francisco Distribution of CBGs MI >= 3

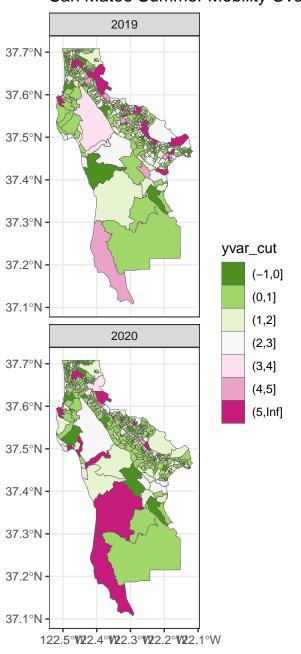


San Francisco Distribution of Pop Density MI >= 3 (all incl outliers)

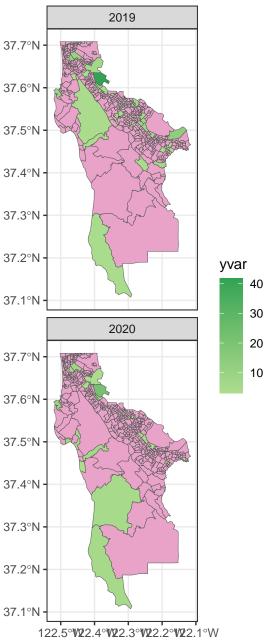


San Francisco Distribution of Pop Density MI >= 3 (no outliers) 06075  $MW_U: pval = 0.617$ KS: pval = 0.9990.00075 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0.00025 -0.00000 -2019.0 2019.5 2020.0 year

# San Mateo Summer Mobility Over 34 Degrees



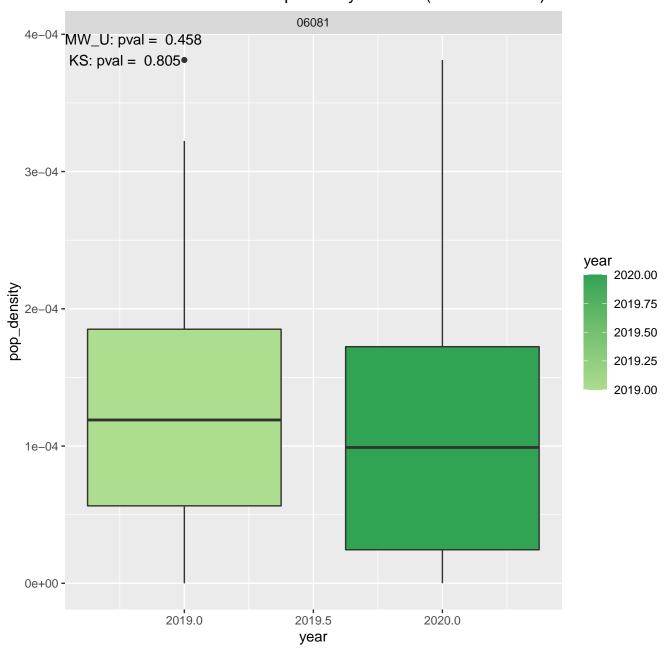
San Mateo Summer Mobility Over 34 Degrees & MI >=



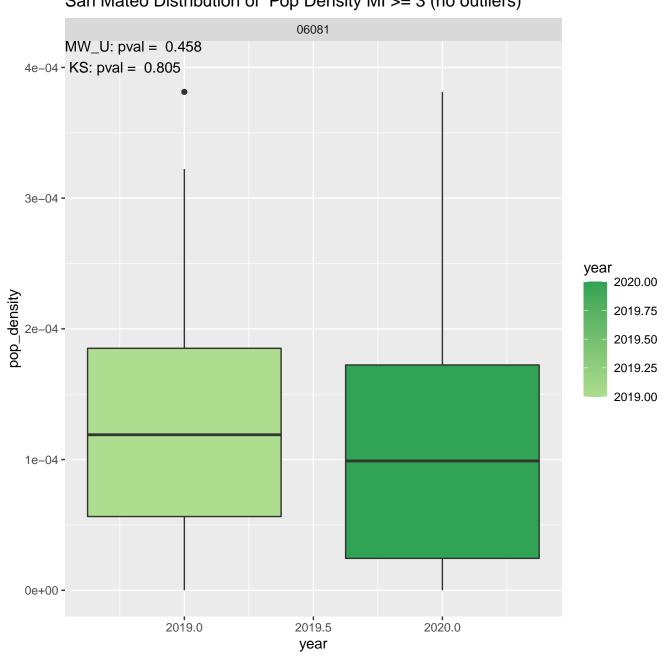
San Mateo Distribution of CBGs MI >= 3 2019  $MW_U$ : pval = 0.458KS: pval = 0.8053000 -2000 1000 0 density 2020  $MW_U$ : pval = 0.458 KS:  $p_{\text{val}} = 0.805$ 3000 -2000 -1000 -0 0e+00 1e-04 2e-04 3e-04 4e-0 pop\_density

San Mateo Distribution of CBGs MI >= 3 2019 4 · Dense CBGs 2019: 1 2020: 1 Binom Prob Success:0.014 p value:0.537 null:0.022 3 2 0 count 2020 Dense CBGs 2019: 1 2020: 1 Binom Prob Success:0.014 p value:0.537 null:0.022 3 -2 . 0e+00 1e-04 2e-04 3e-04 4e-04 pop\_density

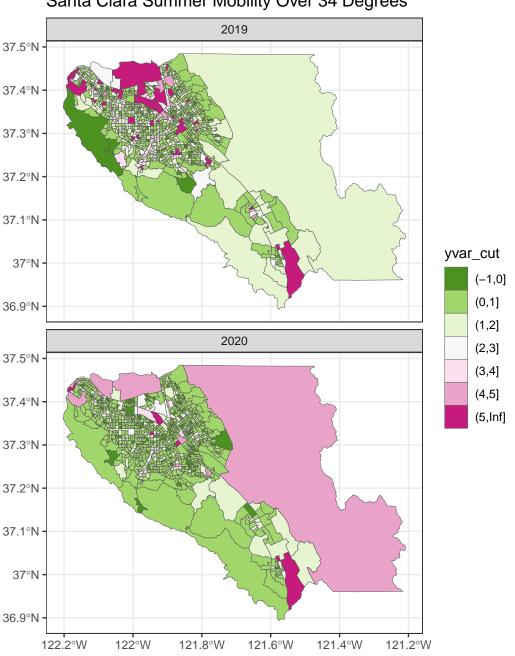
San Mateo Distribution of Pop Density MI >= 3 (all incl outliers)



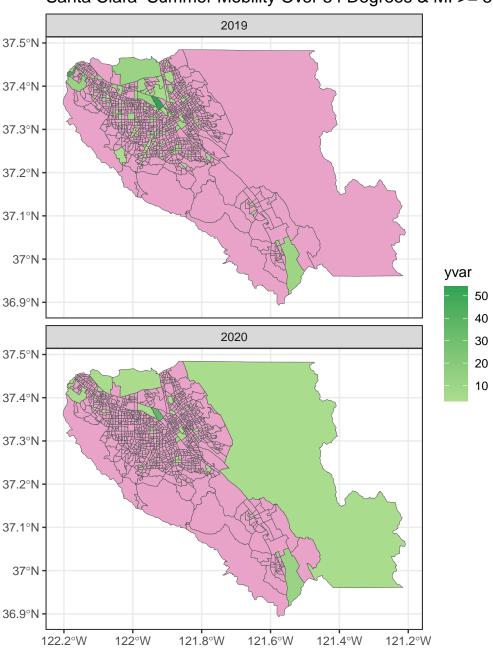
San Mateo Distribution of Pop Density MI >= 3 (no outliers)



#### Santa Clara Summer Mobility Over 34 Degrees

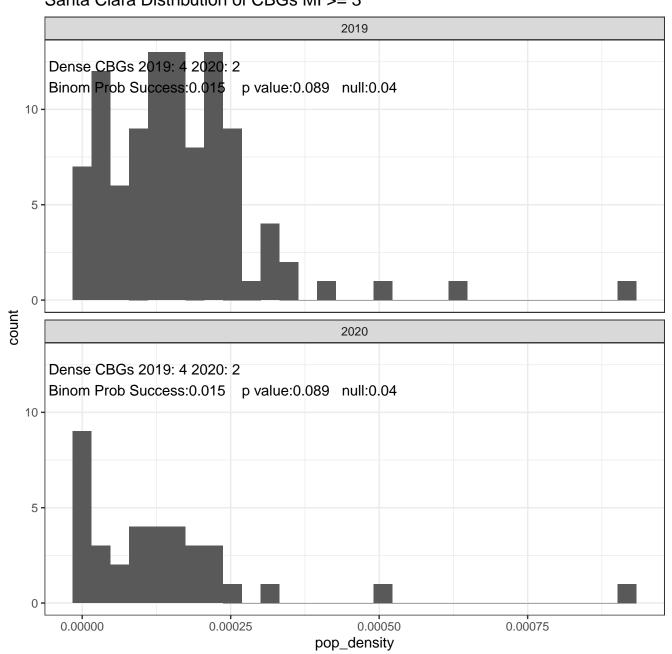


Santa Clara Summer Mobility Over 34 Degrees & MI >= 3



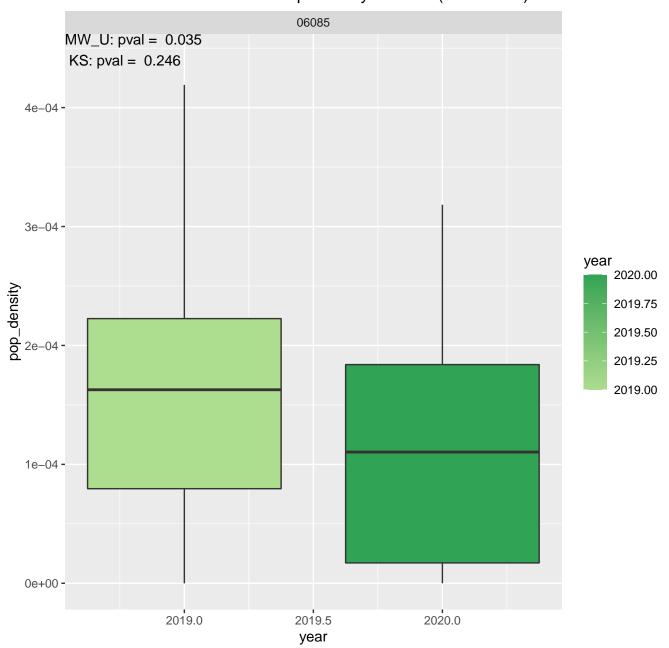
Santa Clara Distribution of CBGs MI >= 3 2019  $MW_U$ : pval = 0.035 KS: pval = 0.2463000 -2000 1000 -0 density 2020  $MW_U$ : pval = 0.035 KS: pval = 0.2463000 -2000 -1000 -0 0.00050 0.00000 0.00025 0.00075 pop\_density

Santa Clara Distribution of CBGs MI >= 3

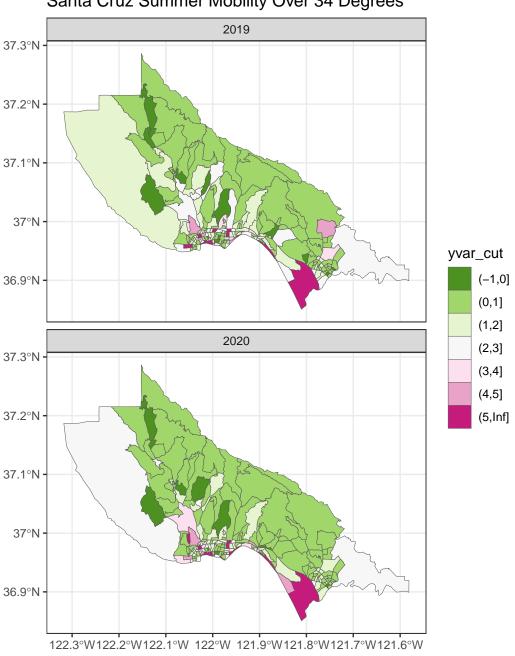


Santa Clara Distribution of Pop Density MI >= 3 (all incl outliers) 06085  $MW_U: pval = 0.035$ KS: pval = 0.246 0.00075 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0.00025 -0.00000 -2019.0 2019.5 2020.0 year

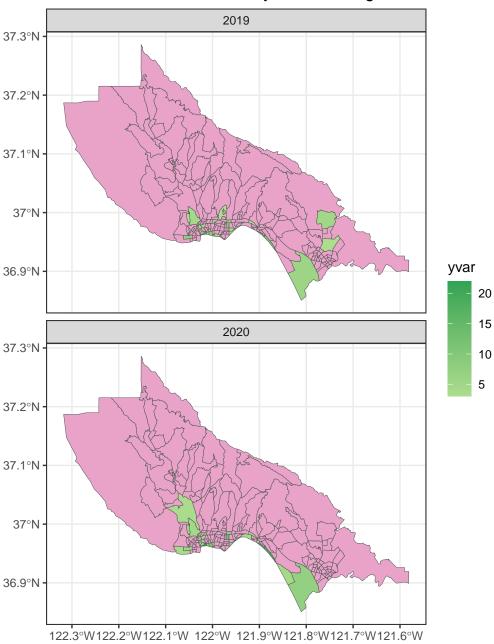
Santa Clara Distribution of Pop Density MI >= 3 (no outliers)

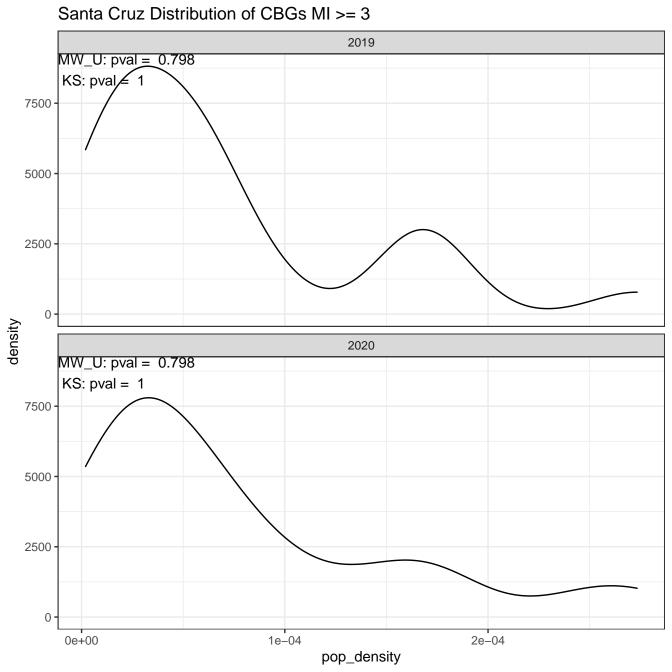


# Santa Cruz Summer Mobility Over 34 Degrees



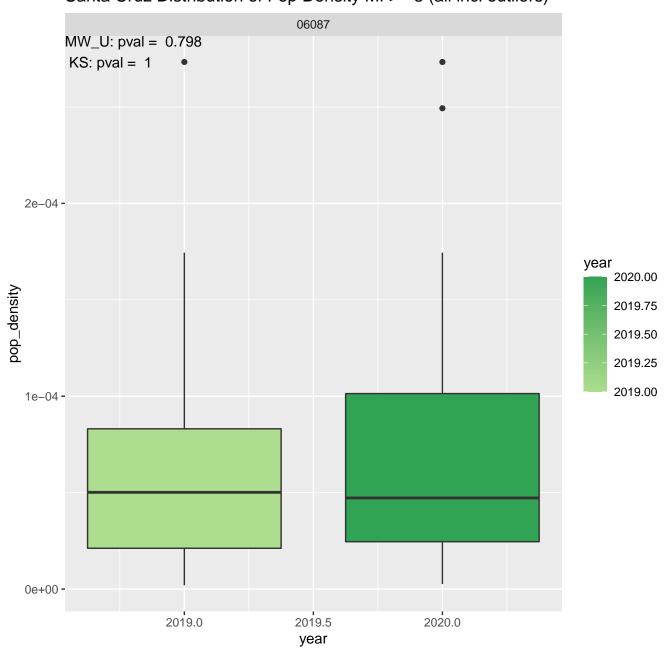
Santa Cruz Summer Mobility Over 34 Degrees & MI >= 3





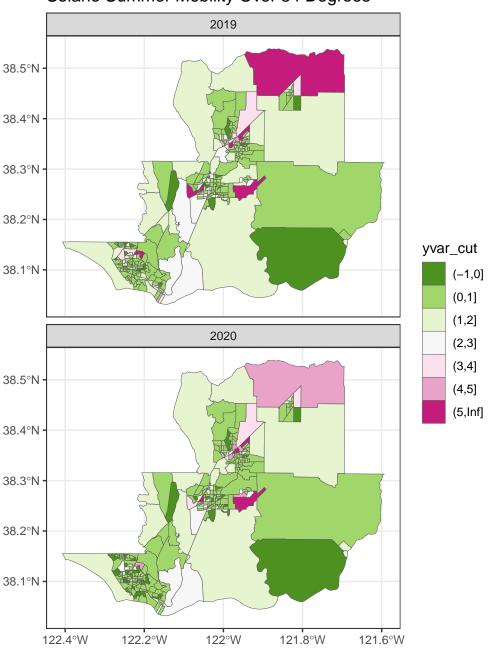
Santa Cruz Distribution of CBGs MI >= 3 2019 3 -Dense CBGs 2019: 1 2020: 2 Binom Prob Success: 0.043 p value: 0.665 null: 0.043 2 0 count 2020 3 -Dense CBGs 2019: 1 2020: 2 Binom Prob Success: 0.043 p value: 0.665 null: 0.043 2 0e+00 1e-04 2e-04 pop\_density

Santa Cruz Distribution of Pop Density MI >= 3 (all incl outliers)

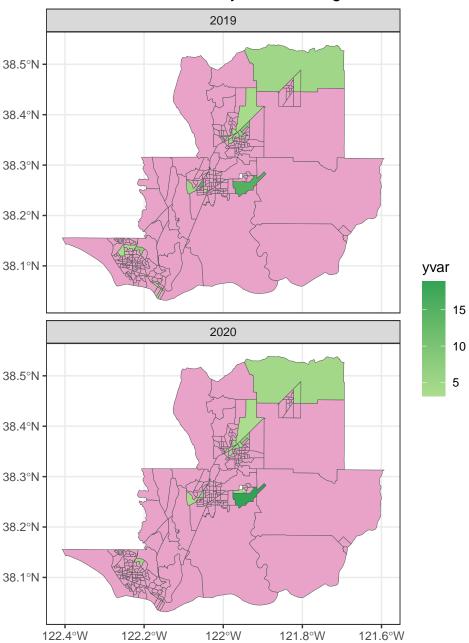


Santa Cruz Distribution of Pop Density MI >= 3 (no outliers) 06087  $MW_U: pval = 0.798$ KS: pval = 10.00015 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0.00005 -0.00000 -2019.0 2019.5 2020.0 year

# Solano Summer Mobility Over 34 Degrees

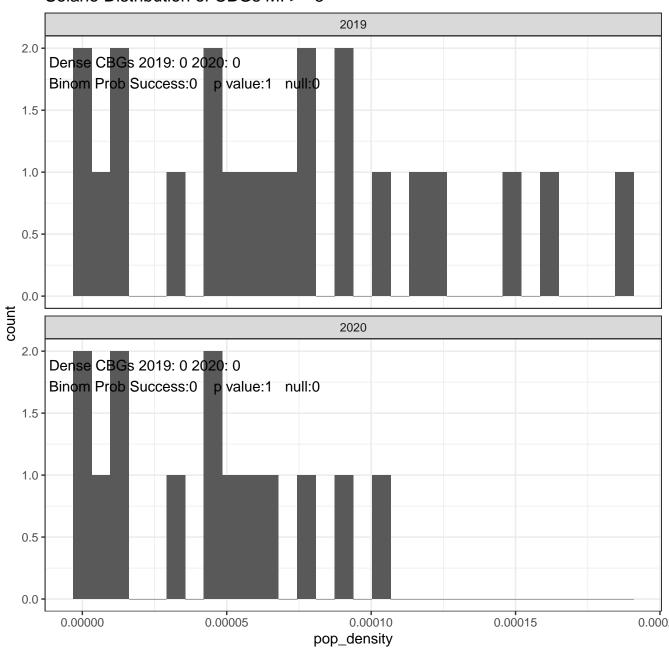


Solano Summer Mobility Over 34 Degrees & MI >= 3



Solano Distribution of CBGs MI >= 3 2019  $10000 \text{ MW_U: pval} = 0.104$ KS: pval = 0.4877500 -5000 -2500 -0 density 2020  $10000 \text{ MW_U: pval} = 0.104$ KS: pval = 0.4877500 -5000 -2500 -0.00010 0.00000 0.00005 0.00015 pop\_density

Solano Distribution of CBGs MI >= 3



Solano Distribution of Pop Density MI >= 3 (all incl outliers) 06095  $MW_U: pval = 0.104$  $KS: pval = 0.487_I$ 0.00015 year 2020.00 pop\_density 2019.75 2019.50 2019.25 2019.00 0.00005 -0.00000 -

2019.5

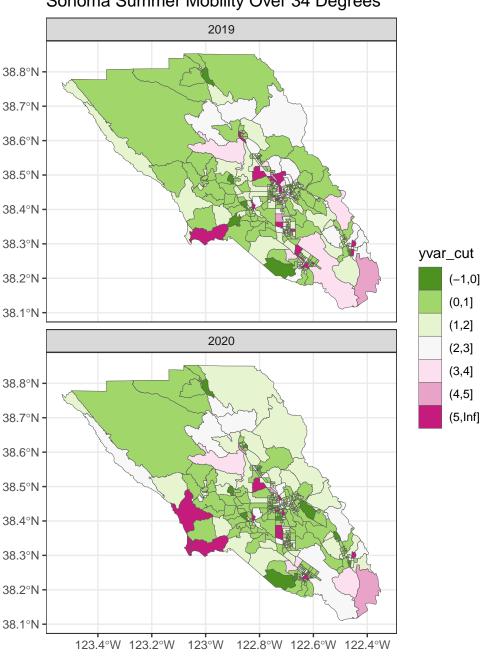
year

2020.0

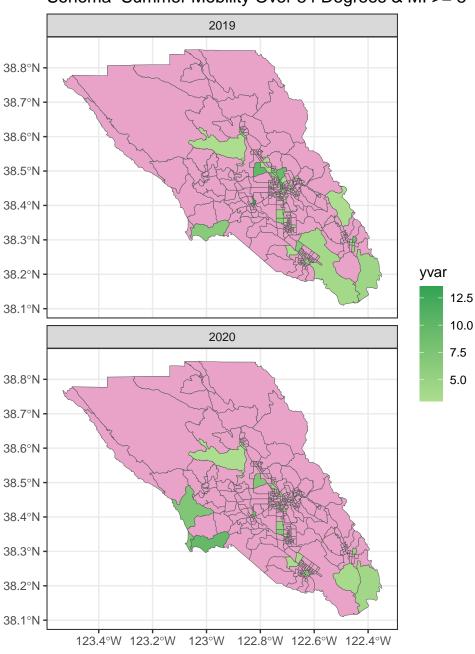
2019.0

Solano Distribution of Pop Density MI >= 3 (no outliers) 06095  $MW_U: pval = 0.104$  $^{0.00020}$  KS: pval = 0.487 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

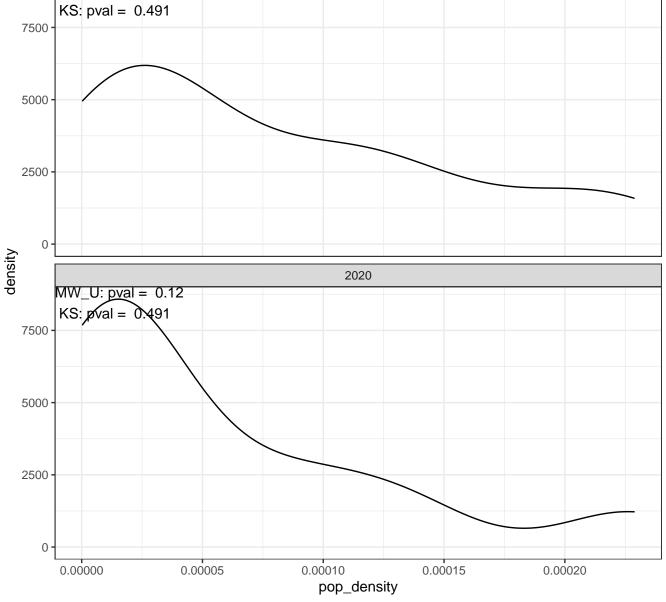
### Sonoma Summer Mobility Over 34 Degrees



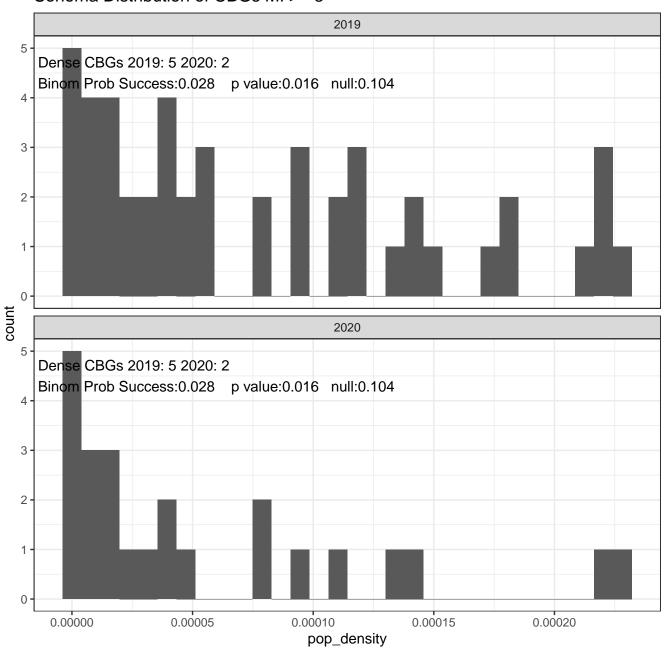
Sonoma Summer Mobility Over 34 Degrees & MI >= 3



Sonoma Distribution of CBGs MI >= 3 2019  $MW_U$ : pval = 0.12 KS: pval = 0.4917500 -5000 2500 0 density 2020  $MW_U: pval = 0.12$ KS: pval = 0.4917500 5000



Sonoma Distribution of CBGs MI >= 3



Sonoma Distribution of Pop Density MI >= 3 (all incl outliers) 06097  $MW_U$ : pval = 0.12  $KS: pval = 0.491_{I}$ 0.00020 -0.00015 year 2020.00 bob\_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 MI >= 3 (no outliers) 06097

