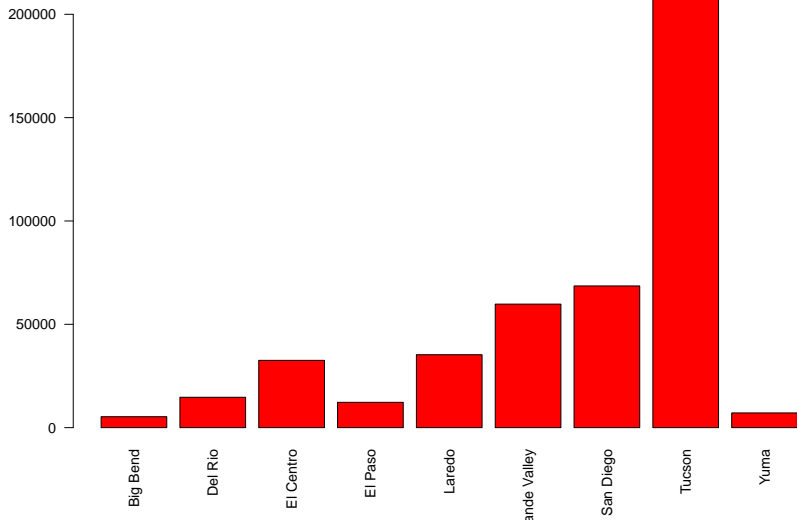


# 2010 and 2017 CBP Apprehensions Analysis

Janie Briglio, Ben Gaudiosi, Kayla Ippongi

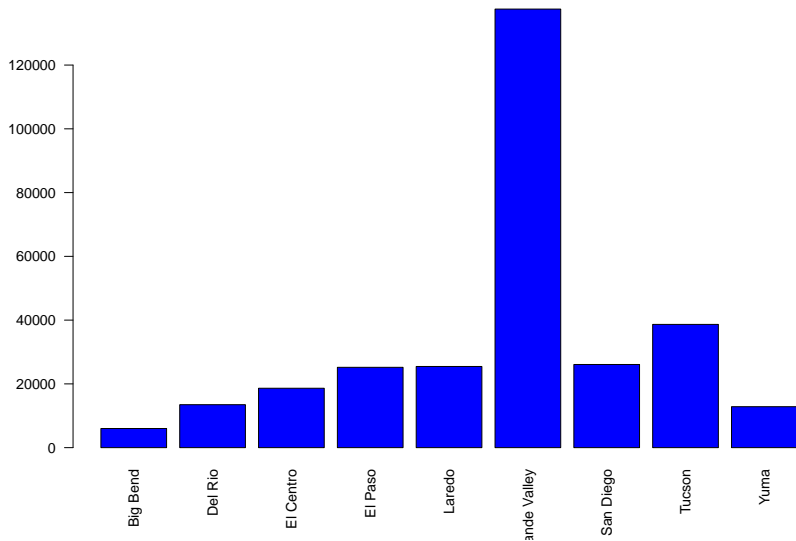
# 2010 Total Apprehensions

2010 Total Apprehensions by Sector

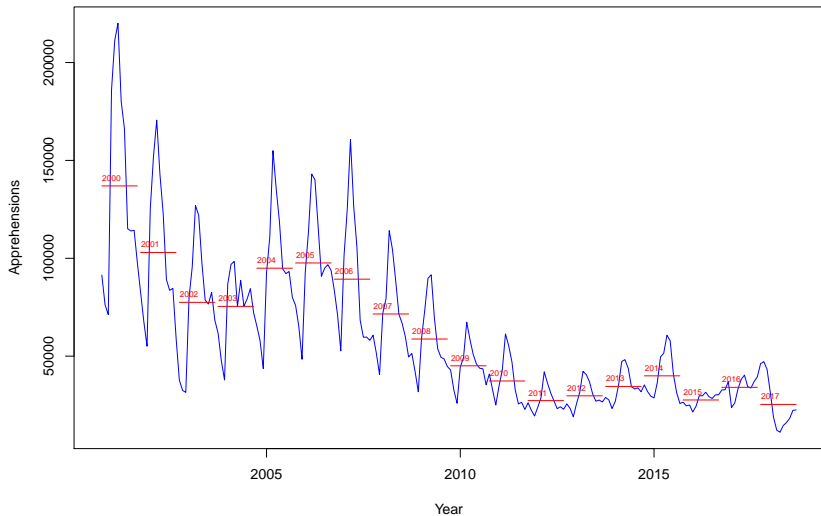


# 2017 Total Apprehensions

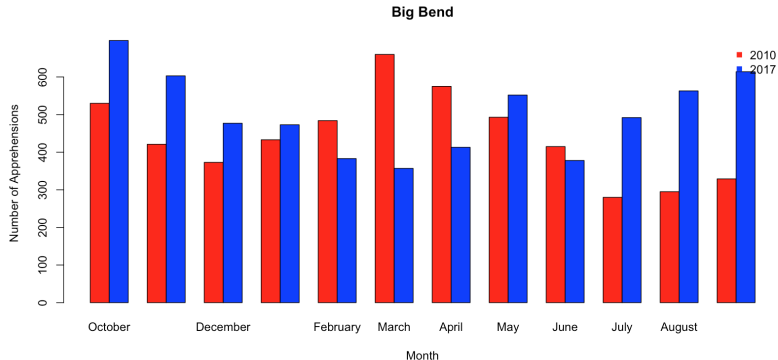
2017 Total Apprehensions by Sector



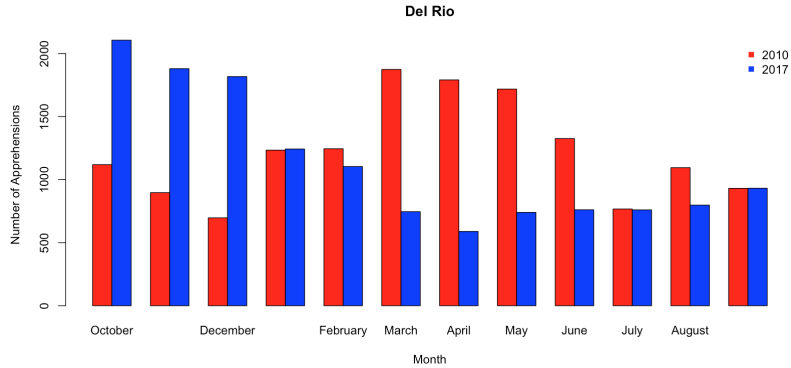
# Time Series



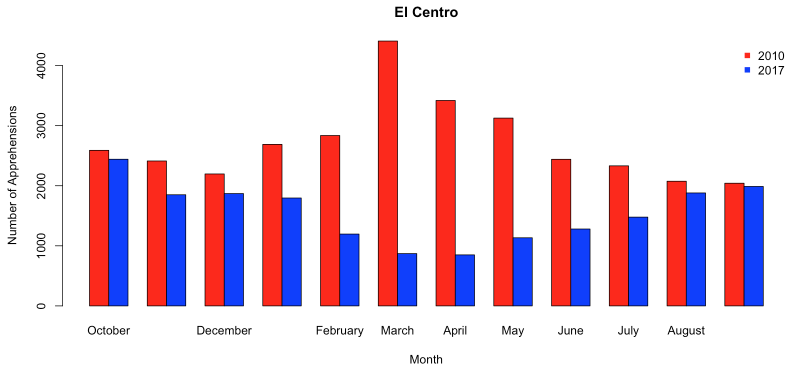
# Big Bend Comparison



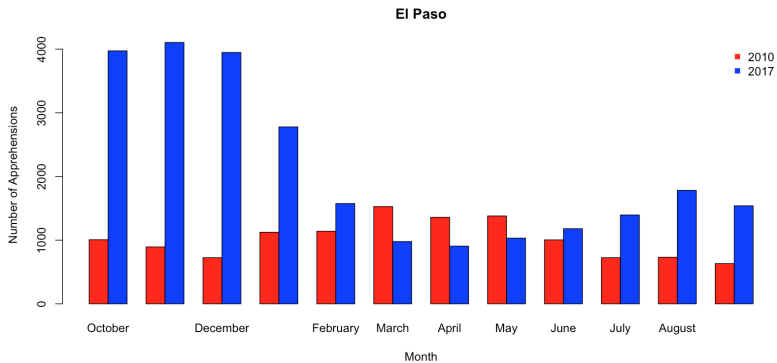
# Del Rio Comparison



# El Centro Comparison

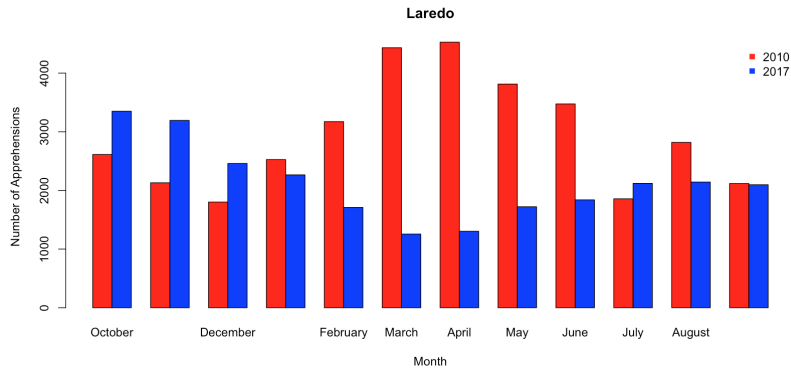


# El Paso Comparison

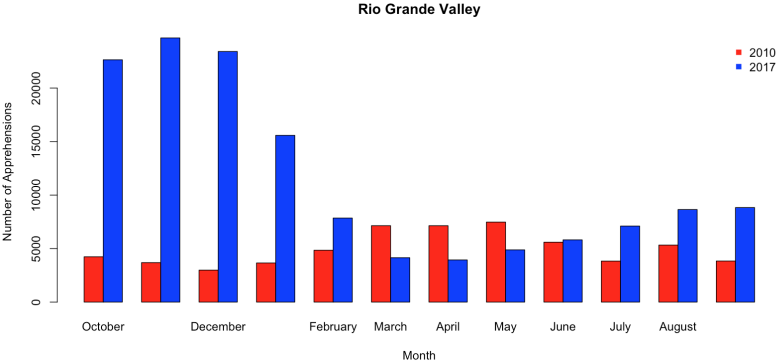




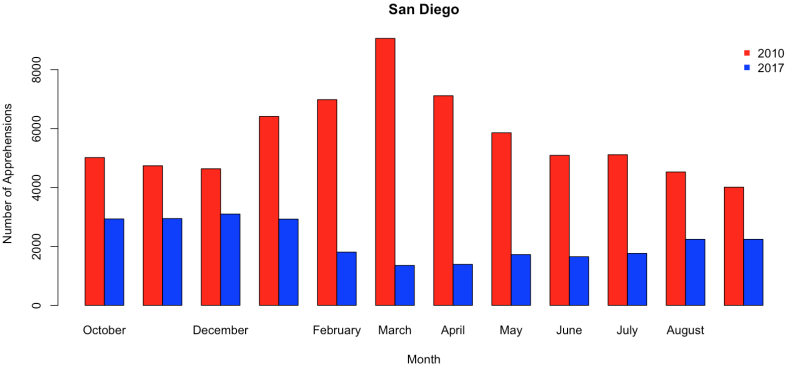
# Laredo Comparison



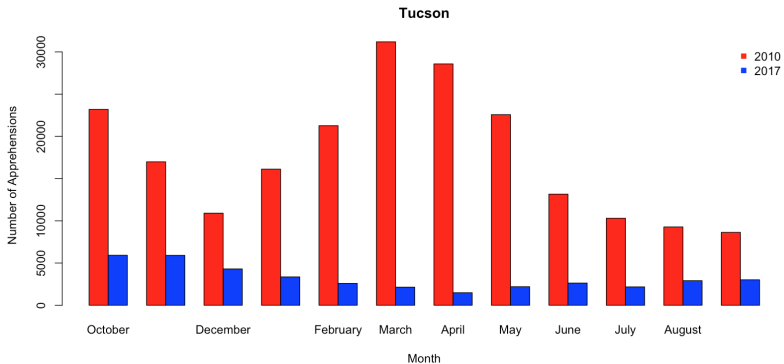
# Rio Grande Valley Comparison



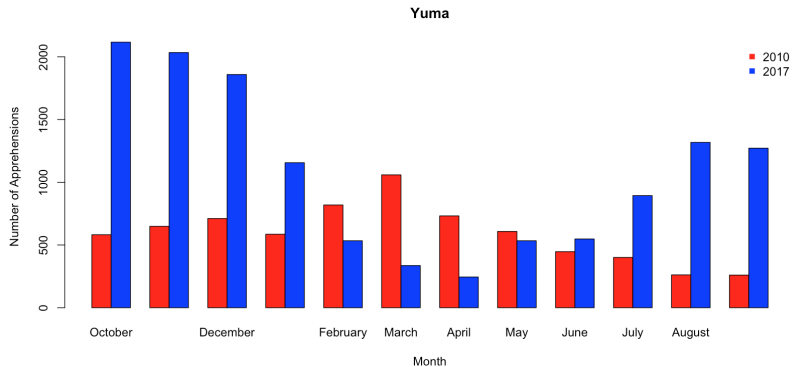
# San Diego Comparison



# Tuscon Comparison



# Yuma Comparison



## T Test: October Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$October and PB2017$October  
## t = -0.19561, df = 8, p-value = 0.8498  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -7522.671 6346.226  
## sample estimates:  
## mean of the differences  
## -588.2222
```

## T Test: November Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$November and PB2017$November  
## t = -0.57437, df = 8, p-value = 0.5815  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -8021.535 4822.424  
## sample estimates:  
## mean of the differences  
## -1599.556
```

## T Test: December Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$December and PB2017$December  
## t = -0.81876, df = 8, p-value = 0.4366  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -7724.951 3676.729  
## sample estimates:  
## mean of the differences  
## -2024.111
```



## T Test: January Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$January and PB2017$January  
## t = 0.16907, df = 8, p-value = 0.8699  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -4505.171 5218.060  
## sample estimates:  
## mean of the differences  
## 356.4444
```

## T Test: February Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$February and PB2017$February  
## t = 1.2559, df = 8, p-value = 0.2446  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -2233.163 7574.497  
## sample estimates:  
## mean of the differences  
## 2670.667
```

## T Test: March Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$March and PB2017$March  
## t = 1.793, df = 8, p-value = 0.1107  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -1563.07 12488.85  
## sample estimates:  
## mean of the differences  
## 5462.889
```

## T Test: April Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$April and PB2017$April  
## t = 1.7273, df = 8, p-value = 0.1224  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -1642.025 11444.247  
## sample estimates:  
## mean of the differences  
## 4901.111
```

## T Test: May Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$May and PB2017$May  
## t = 1.6862, df = 8, p-value = 0.1303  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -1328.549 8556.549  
## sample estimates:  
## mean of the differences  
## 3614
```

## T Test: June Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$June and PB2017$June  
## t = 1.6274, df = 8, p-value = 0.1423  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -781.4508 4529.8953  
## sample estimates:  
## mean of the differences  
## 1874.222
```

## T Test: July Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$July and PB2017$July  
## t = 0.7663, df = 8, p-value = 0.4655  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -1656.988 3306.321  
## sample estimates:  
## mean of the differences  
## 824.6667
```

## T Test: August Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$August and PB2017$August  
## t = 0.51189, df = 8, p-value = 0.6226  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -1607.187 2524.298  
## sample estimates:  
## mean of the differences  
## 458.5556
```



## T Test: September Comparison

```
##  
## Paired t-test  
##  
## data: BP2010$September and PB2017$September  
## t = 0.031118, df = 8, p-value = 0.9759  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -2103.832 2161.387  
## sample estimates:  
## mean of the differences  
## 28.77778
```

## T Test: Total Comparison

```
##  
## Paired t-test  
##  
## data: total2010 and total2017  
## t = 0.71295, df = 8, p-value = 0.4961  
## alternative hypothesis: true difference in means is not  
## 95 percent confidence interval:  
## -35705.54 67664.43  
## sample estimates:  
## mean of the differences  
## 15979.44
```