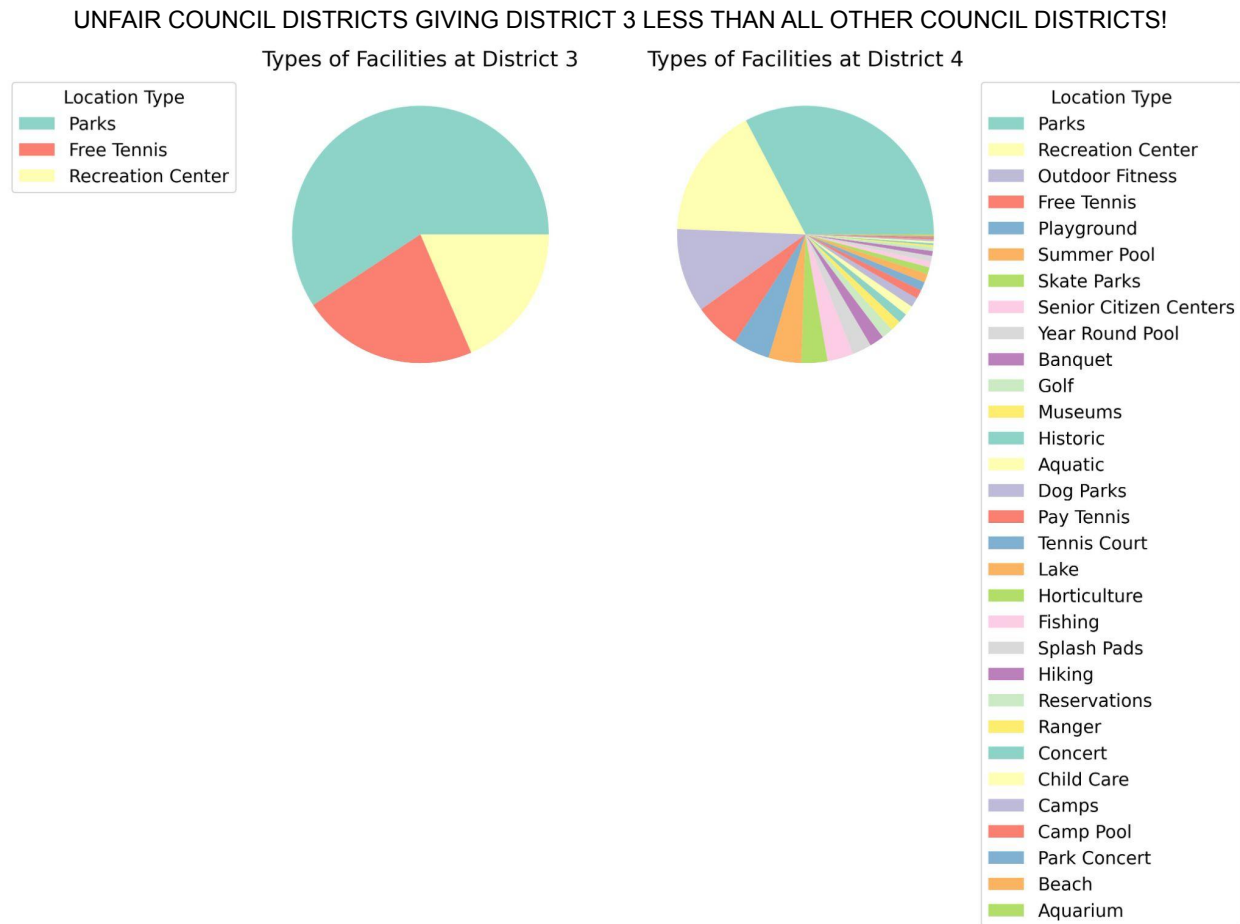


## Deceptive vs Insightful Plots of LA City Parks and Recreations

### Deceptive Plot

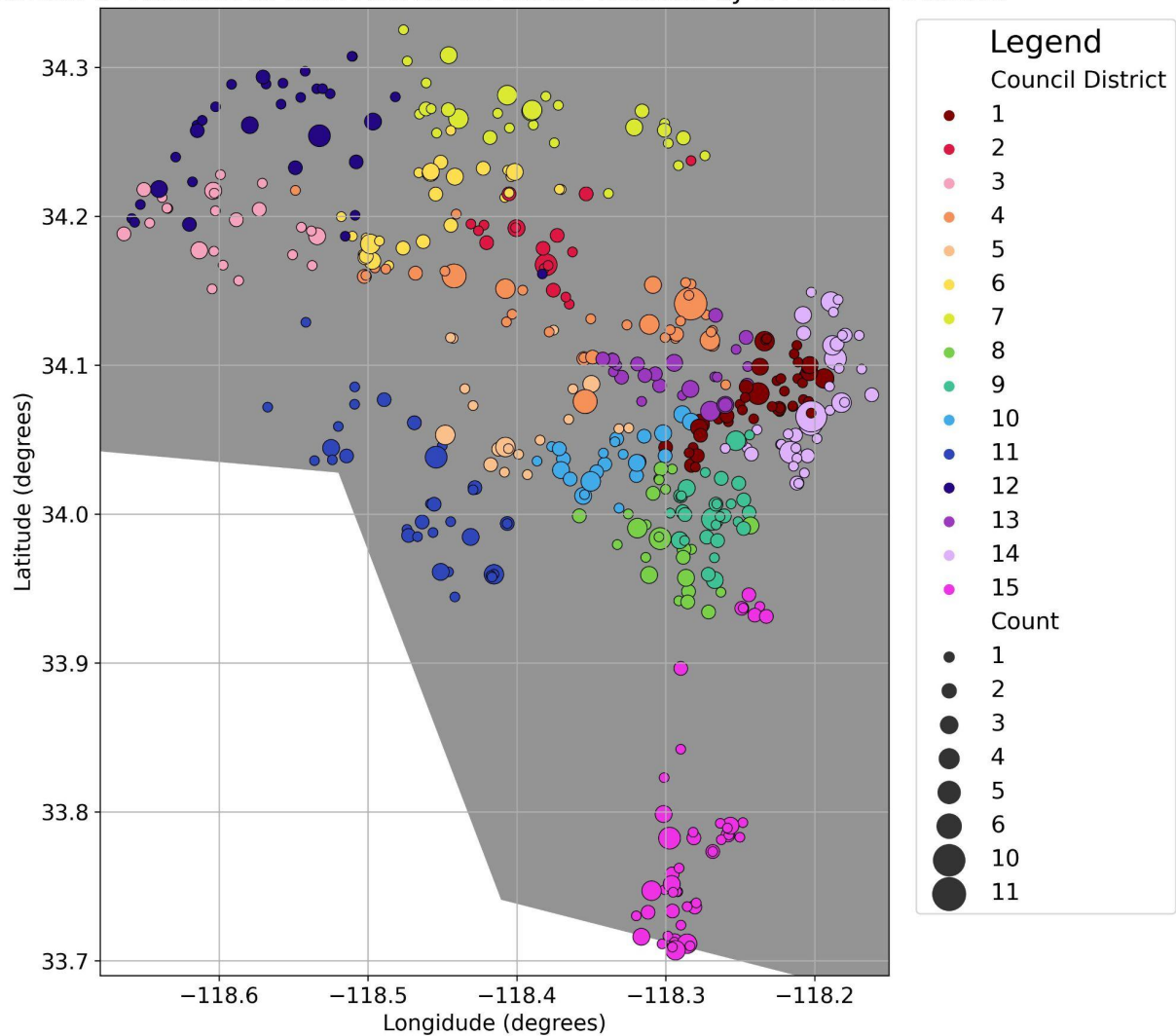


**Figure 1.** This figure shows the number of facility types from district 3 and a randomly selected district to compare the two. The data was derived from the LA City Data Portal, labeled “LAPARKS.ORG Recreation and Parks Facilities.” In the two pie charts, there is a significant difference in the number of facilities between the two districts. Council District 3 has only three location types: parks, free tennis, and recreation centers. Randomly selected Council District 14 has more than 20 location types, crushing the Council District 3 by over 10 times.

In order to deceive the crowd, I made it seem like the council district 3 in Los Angeles City looked much more deprived when comparing it to another “random” district. To start, my “randomly” chosen district was not random. This district has the greatest number of different facilities and is significantly bigger in area than district 3, leaving more room for parks and recreations. In addition, instead of using the 23 unique location types from district 4, I included ALL unique location types spanning the entire city of Los Angeles, which was over 30. To make district 3 seem even more deprived of resources, I did not include all 6 unique location types, but rather, only the top 3 location types. Lastly, the colors of location types of the district 4 legend repeat and the number of location types on the legend are by far way too many.

## Insightful Plot

Number of Facilities at each Recreation Center Location by LA Council Districts



**Figure 2.** This plot shows the number of facilities (pool, park, golf, tennis court, etc.) at the same address in the Los Angeles Council Districts. The data was derived from the LA City Data Portal, labeled "LAPARKS.ORG Recreation and Parks Facilities." The data points are color coded by the Council District, corresponding to the colors on the key. The sizes of the data points are determined by the number of facilities with the same address. There is only one address with 11 facilities and only one address with 10 facilities. Most of the locations only have one type of location.