Data set

<https://data.sfgov.org/Economy-and-Community/Community-Development-Public-Service-Program-Activ/jy5g-rugu/data>

Community Development Public Service Program Activities by Neighborhood

Through the Community Development Public Service Programs, MOHCD funds a wide range of social services, with two primary objectives: 1) Families and individuals are resilient and economically self-sufficient, and 2) Families and individuals are stably housed. These objectives are met through specific funding strategies developed in our ten program areas. This data reports MOHCD’s efforts toward accomplishing those two objectives across each program area. Data reflects activities funded for Fiscal Year 2018-2019 as of June 30, 2019.

1. Graphs and/or data tables that demonstrate the analysis and insights you focused on

I have created a dashboard on Tableau which demonstrates the analysis and insights, below is the link

Your thought process and analysis goals

Ans: Below are my analysis goals:

1. Finding the number of people who are under 16 and 65+ that are in urgent need of MOHCD funds, also categorized by the race/ethnicity.

* I believe this age group requires more attention as they are not capable enough to take care of/ provide for themselves.
* This analysis will help the MOHCD funds team to decide/ focus on the people who are not yet helped for the coming fiscal years.
* My approach is straightforward, I am considering the specified age group who has extremely low income. These are the people who will need the funds and doing this will help us prevent the elders and especially the young kids from violence/crime as they are the future of the country. Having less kids in crime will lead them to a better living.
* The statistical significance shows that the highest number of people are from Asian/Pacific Islander race which need attention.

1. My next analysis is for a specific fiscal year 2018-19, I am finding which neighborhoods are well funded with various program areas and which are neglected. I will then do a comparison between the neighborhood that is well funded and the one which is not.

* I am assuming that for each neighborhood all 12 program areas are required to be implemented to improve their economic and housing stability.
* Based on the results I found and the online research I did, Tenderloin and Mission are two of the worst neighborhoods in San Francisco.
* My approach for this is to group the program area and neighborhood with the condition of fiscal year being 2018-19. I then counted the entries for each program area and ordered the results in descending order.
* This gave me the neighborhoods with highest number of clients, Tenderloin and Mission are the two neighborhoods with highest clients, so I dig deep into each neighborhood to find how many clients are in each program area.
* The statistical results show that for Tenderloin the highest clients are in Workforce Development and for Mission it’s the Financial Education.
* The neighborhood with least funds is Twin Peaks – I have assumed this because in my online research it mentioned that the Twin Peaks have above average violent crime rate and property crime rate (<https://goodmigrations.com/city-guides/san-francisco/twin-peaks>)
* Though being above average in both the crimes the MOHCD funds are not used in this neighborhood.
* The highest number of clientele is 418 which is very less when compared to other neighborhoods.

1. For each fiscal year which neighborhood had more numbers of clients

* In the next analysis, I am finding which neighborhood has more number of clients in each fiscal year, this will give me an insight into the development progress of the neighborhood.
* My approach is to get the count of clients for each neighborhood and grouping it by fiscal year and neighborhood. To find the highest I ordered the fiscal year and count of clients in descending.
* What worked is I got the results year wise. For each year, the maximum number of clients based on each neighborhood is at the top. It is in descending order.
* What did not work is I expected to get just the maximum number of clients for each fiscal year.
* By the results I can say that each fiscal year’s neighborhood is different but what is noteworthy is that for last two fiscal years(2017-18 and 2018-19) the neighborhood is Tenderloin which means this neighborhood is been developing and improving.
* So we can predict that with more development in this area, the area can be improved and the crime rates can be improved which will make it less dangerous neighnorhood in San Francisco.

I have a general assumption that with the crime rate data and the current data we can also check, if the crime rate is more it means the MOHCD funds are not being used in such areas and vice versa. This we can analyze by joining the two data sets