**Description of the problem and discussion of the background:**

I have received a job offer in San Francisco, CA. This city is a central hub for lots of start-up companies. A few of my friends from college are already living there. And they have assured me about good public transportation of this city (Muni Train & BART train – can be used to commute to go anywhere in the city).

However, for me personally, I like to stay away from crowded city life – would rather like to live a neighborhood that is peaceful and quiet after work hours. I am also a photographer and like to go on long hike during the weekends.

For this exercise – I would explore the boroughs and neighborhoods in San Francisco city and pick one neighborhood that is close to beach or has hiking trails or photographic scenarios – along with a bus stop/train stop for commuting to work.

**Description of Data – How it will be used to solve problems**

I am using two sets of information here:

1. First set of data is been download from San Francisco, CA – city government website in csv format. This data set has all the Boroughs (as Plan District) and Neighborhoods of the city listed along with other information. After downloading this data set, I have imported it into my work using Panda and converted into a data frame, kept the columns I need to get an idea of the names of the boroughs and their associated neighborhoods in/around San Francisco, CA.

Here’s a link to the source of the data set: <https://catalog.data.gov/dataset?organization=city-of-san-francisco&tags=housing>

1. I am using the names of the neighborhoods/boroughs from this data set to call the Foursquare API’s, to get location info and associated venues around these neighborhoods. My goal is to find a neighborhood that has public transportation (bus/Muni train), hiking trails, close to the beach and has tons of photographic views.

(I am only submitting the codes that meets my criteria of choosing a location to live. Anyone can use these codes, change the name of boroughs/neighborhoods and find a location that they are interested in – for example: your priorities could be coffee shops and tons of restaurants etc.)