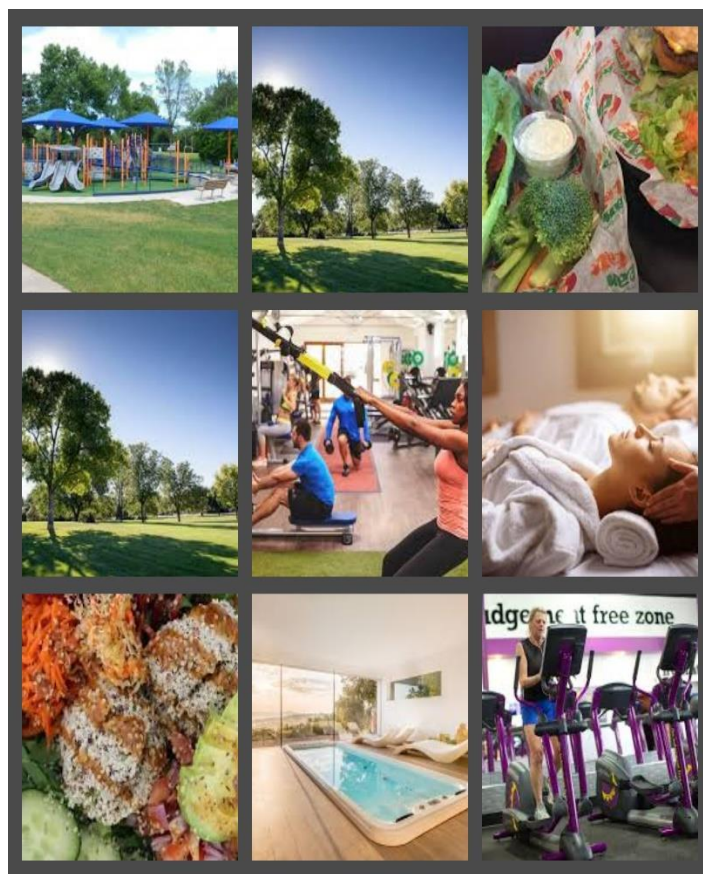


HEALTHIEST AND UNHEALTHIEST CITIES IN USA FOR TRAVELLING

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1. Introduction

Traveling is great for many things, but it's *not* great for staying healthy. When daily routines are disturbed, indulgent restaurant food prevails, and parks and gyms are few and far between, wellness can easily become an afterthought. There are some cities where staying healthy, or at least avoiding total gluttony, is surprisingly easy. To stay healthy, you can walk the city, eat at a restaurant serving vegan-food,

do a work out at the local gym and last but not the least indulge in a relaxing spa session. WalletHub examined 174 cities in the United States, including the 150 most populated cities in the country based on these four dimensions like Fitness, Food, Green space, and Health care. The results are at turns expected and surprising (the healthiest city in the USA, for instance, comes out on top despite being known for its extremely rich cuisine).

So next time you travel you can ask this question “How fit is the city you travel”? Whether it has green spaces, vegan restaurants, yoga and Pilates centers, health-food shops, spas and gyms with sunshine along the average price for a one-night stay factored in as well.

Business problem

The objective of this project is to analyses the top healthiest and unhealthiest city in USA and figure out how the above four factors play a key role in the wellness of the people who wish to travel in these cities. The researchers have calculated overall scores for each city based on a weighted average of all metrics. So, the nest time you want to travel across USA and stay healthy the best way is to watch out for these factors to enhance your travelling experience.

Target Audience

Now a days many people want to stay healthy even if they are travelling. The project focuses on people who wish to travel to these cities and find out the difference in the ways these cities are structured.

Data Collection

For the project we needed data from there sources:

1.The data for the healthiest and unhealthiest cities in the USA will be obtained from wallet hub. The latitudes and longitudes are required to build an interactive map of the cities.

<https://wallethub.com/edu/healthiest-cities/31072/>

The healthiest city is San Francisco, we will need the neighborhood of the city along with the latitude and longitude. It will be obtained by

https://en.wikipedia.org/wiki/List_of_neighborhoods_in_San_Francisco and python Geocoders package.

Similarly, the unhealthiest city is Brownsville in Texas. The data will be obtained in the similar manner as mentioned above for San Francisco

Data Extraction:

The wallet hub contains data from 174 cities in the country from healthiest to unhealthiest. We will use web scraping method to obtain the data. The interactive map will also be created by getting the latitude and longitude of the cities using python Geocoders library. Similarly, the data for the healthiest and unhealthiest cities will be extracted using web scraping from Wikipedia. The geographical coordinates can be obtained by python Geocoders library.

The Foursquare API is used to get the venues data for those cities. Foursquare lets users search for restaurants, gyms, spas, parks and other places in a location. The app displays personalized recommendations based on factors that include the time of day, a user's check-in history, their taste and the venue ratings.

This project will use the data science skills like web scraping, data cleaning, data wrangling, data visualization which we learned in the course to display our creativity in the project. In the project we will present the methodology for the project.