

Abstract

HealthAccess is an application that provides consolidated and curated information on nearest health facilities to users seeking healthcare. The app makes the entire process of searching for healthcare providers easier and quicker by simply asking the user to input his/her address and requirement. In addition, it allows the user to check general health in terms of sleep and air quality. The app uses data extraction methods like web scraping and API queries to collate information from various sources which are then put into a usable format with data cleaning functions from the pandas package. One of the defining features of our app is that it uses several types of Google Map APIs to get the distance between a hospital's location and the user's location and lists the nearest hospitals, in addition to other relevant information. Moreover, we use techniques like string-matching on scraped data and csv files to extract useful information and generate graphs using matplotlib and seaborn.