# **Ayiti Analytics Final Project A New Social Life**

# ***By: Shelsy DALCIDE***

# *July 22, 2020*

***Introduction/Business Problem:***

Project Description:

It is not easy for someone to leave his country of origin to go live elsewhere a young man would like **Illinois** in to rebuild his life

This project will be useful for people wishing to leave their countries to live in **Illinois**.

He would like to have additional information so quickly regarding districts such as:

* **The average salary of a person living in Chicago IL**
* **The price of houses by cities their variations**
* **Tell him which city in Illinois he can best settle down in**
* **The community zone**
* **The level of security**.

This problem is interesting for him because he will make new experiences, he will have to adapt to this new home which will allow him to learn more about himself. After our Analysis in fact, he will admit his ability to undertake anything, anywhere.

And he will feel at home in an entirely different place.

Becoming aware of his possibilities will make him more determined to succeed.

And discovering different places will help him to think more creatively.

*Who is the audience?*

* Those concerned are all the people who want to travel and live in Chicago IL either as families or couples.
* We will be based on the financial accessibility of the house prices in relation to the salary available in the area.
* Make an unsupervised Machine Learning to have a visual on the city to tell which church and business is closest to one of the houses at an affordable price via an adequate salary…

*What is the source of data you have in mind?*

There are some data that I will extract on the internet thanks to Web Scrapping and Foursquare and load the dataset. Here there are some sites of data to find:

for the Neighborhood

And this for the [House\_Price](https://www.zillow.com/chicago-il/sold/house,condo,apartment_duplex,townhouse_type/?searchQueryState=%7B%22pagination%22%3A%7B%7D%2C%22usersSearchTerm%22%3A%22Chicago%2C%20IL%22%2C%22mapBounds%22%3A%7B%22west%22%3A-88.1551296328125%2C%22east%22%3A-87.3091823671875%2C%22south%22%3A41.60799595316177%2C%22north%22%3A42.05923219126308%7D%2C%22regionSelection%22%3A%5B%7B%22regionId%22%3A17426%2C%22regionType%22%3A6%7D%5D%2C%22isMapVisible%22%3Atrue%2C%22filterState%22%3A%7B%22pmf%22%3A%7B%22value%22%3Afalse%7D%2C%22fore%22%3A%7B%22value%22%3Afalse%7D%2C%22auc%22%3A%7B%22value%22%3Afalse%7D%2C%22nc%22%3A%7B%22value%22%3Afalse%7D%2C%22rs%22%3A%7B%22value%22%3Atrue%7D%2C%22land%22%3A%7B%22value%22%3Afalse%7D%2C%22manu%22%3A%7B%22value%22%3Afalse%7D%2C%22fsbo%22%3A%7B%22value%22%3Afalse%7D%2C%22cmsn%22%3A%7B%22value%22%3Afalse%7D%2C%22pf%22%3A%7B%22value%22%3Afalse%7D%2C%22fsba%22%3A%7B%22value%22%3Afalse%7D%7D%2C%22isListVisible%22%3Atrue%7D) by cities and the [crime](https://icjia.illinois.gov/researchhub/datasets/illinois-uniform-crime-reports-ucr-index-crime-arrest)

Other data we need we're looking for [wages](https://en.wikipedia.org/wiki/List_of_Illinois_locations_by_per_capita_income) of people in the city.

*What are the goals of your analysis?*

* The project will be based on the wages of people in **Illinois** in order to collect points on the wages of immigrants to compare them and make recommendations through analysis.
* The prediction of the House Price by cities based on people's salaries.
* See the most secure neighborhood.