

Finding the best community area in Chicago to live in

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May 6, 2019

1 Introduction/Business Problem

1.1 Background

Chicago is the most populous and popular city in Illinois. With an estimated population of 2,716,450 (2017), it is the third most populous city in the United States, the third-largest in the United States, and the fourth largest in North America. Chicago is an international hub for finance, culture, commerce, industry, technology, telecommunications, and transportation. Chicago has one of the highest GDP in the world, generating \$ 680 billion in 2017. The city lies beside huge freshwater Lake Michigan, and two rivers— the Chicago River in downtown and the Calumet River in the industrial far South Side—flow entirely or partially through Chicago making it most beautiful place to live in.

1.2 Description of the problem

According to the details mentioned above , Chicago seems to be a great place to move in and to live. But the question is which community area or which community area neighbourhood we choose as the city is divided into 77 community areas and around 100 neighbourhoods. Factors that determine the best place for living include 'Housing Availability', 'Employment rate', 'House Holds below poverty line'. The goal of this project is to find the best community area and neighbourhoods to live in based on the factors mentioned above. The questions can be framed as :

- 1) What is the best community area to live in
- 2) How community areas are categorized according to crowded housing or unemployment rate etc. features?
- 3) Does correlation exist between these features selected?