

City of Akron, Ohio Library Location Report

1. Introduction/Business Problem

The City of Akron, Ohio has determined that they have the resources to build a new library, however first they must decide where to build it.

The city council would like for this new library to be built in an area that is within city limits, relatively far from existing libraries, and ideally in an area that would benefit from the services that a library would provide (ie. access to technology, ability to borrow books for free, job training, etc.). Determining which areas would benefit most from these services should be based on unemployment rate, income levels, and educational attainment depending on which data is available.

The local government only has the money to build one new library, so it would like to find the location which would benefit citizens of Akron as much as possible.

2. Data

For this project, Data will be sourced from the Foursquare API and from U.S. Census data through the U.S. Census API. The Foursquare API will be used to determine the current location of existing Akron public libraries, which will be used to determine which parts of Akron are furthest from a public library. U.S. census data will be used to determine the Unemployment rate, income levels, and educational attainment of citizens in the census tracts which are not near a public library to determine which area would benefit the most from the services a library could offer.