

CS591 Data Mechanics – Final Project
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Introduction

One of the most accurate signs of a neighborhood in the process of being gentrified is the trend in building permits: be it residential buildings having an unusual amount of renovation, or corporate buildings being established.¹ Another marker of gentrification is the crime rates in a neighborhood going down. Therefore, this project examines the building permits, crime reports, and earnings in Boston.

Datasets

The datasets used from the City of Boston² were:

- Approved Building Permits (2006-2016)
- Crime Incident Reports (July 2012-August 2015)
- Employee Earnings Report 2012
- Employee Earnings Report 2013
- Employee Earnings Report 2014
- Employee Earnings Report 2015

From these, new datasets were assembled of the means of each of the datasets per year. This is to see the progression of the building permits, crime, and wealth over the period of 4 years and attempt to find a correlation between the 3.45 means were used because according to the City of Boston website, that is how many zipcodes are approximately in the Greater Boston area. Below is an image of the Greater Boston areas delineated with zipcodes (on which points may be mapped in the visualization component).

