Final Proposal

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Title: Wrong Side of the Tracks

Topic: Give context surrounding the culture of graffiti. How it has affected the culture of the Bay Area and evolved into a legitimate art form.

Rationale: This project has a lot of anthropology behind it. The data here is largely qualitative and the goal of the project is to communicate a non-technical research assignment into a technical framework. This is done by combining web scraping and visualization with data analysis (SK Learn) to provide an ethnographic representation of the graffiti culture.

Problem: Does crime generally impact property prices?

Using the metric of overall crime figures, we can see the effect of property values to determine if economics affect crime in cities/towns. Originally, we aimed to incubate the effect that graffiti had on these prices to determine if the money spent on policing can be justified. If property crime figures show to have a sizable impact on property values then can these figures be attributed to graffiti?

Why: Graffiti is a type of crime or performance art. The point of our html is to categorize and illustrate the nuances of graffiti culture. The images were scraped from the web to add a technical aspect to this arm of our project. The manner of characterizing our html (styles, crews, notable taggers) mimic the ways that police track graffiti.

Our regression used crime stats from 50 towns alongside median property values and regressed property price on crime figures.

Data Set:

https://data.oaklandnet.com/Public-Safety/CrimeWatch-Maps-Past-90-Days/ym6k-rx7a/data

Used data from Uniform Crime Reporting Statistics (<https://www.ucrdatatool.gov/>) (from years 2000-2014 for every other year

Created data for median prices from Market Trends in Trulia.com

Screenshots of relevant visualizations:

Visualizations include:

- SK Learn

- Python Pandas

- Beautiful soup

- HTML/CSS/Bootstrap