

# Cultural outlets as correlated with city characteristics in the United States

IBM Data Science – Course 9 Final Project

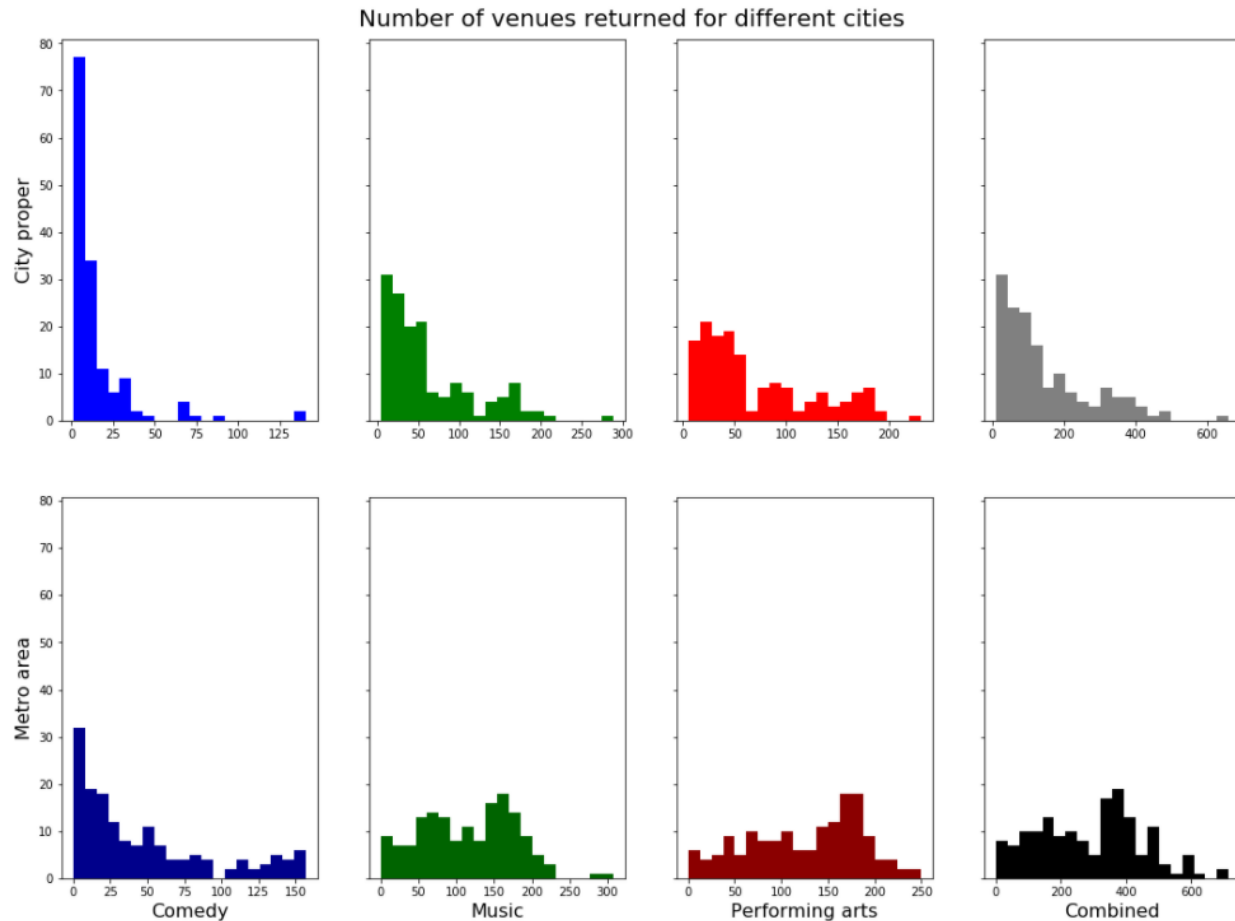
# Introduction

- Different cities across the United States offer different cultural outlets.
- With the advantage of access to all of these outlets can often come a cost in terms of quality of life.
- It is desirable to determine to what extent quality of life must be sacrificed to gain access to cultural outlets.

# Analysis performed

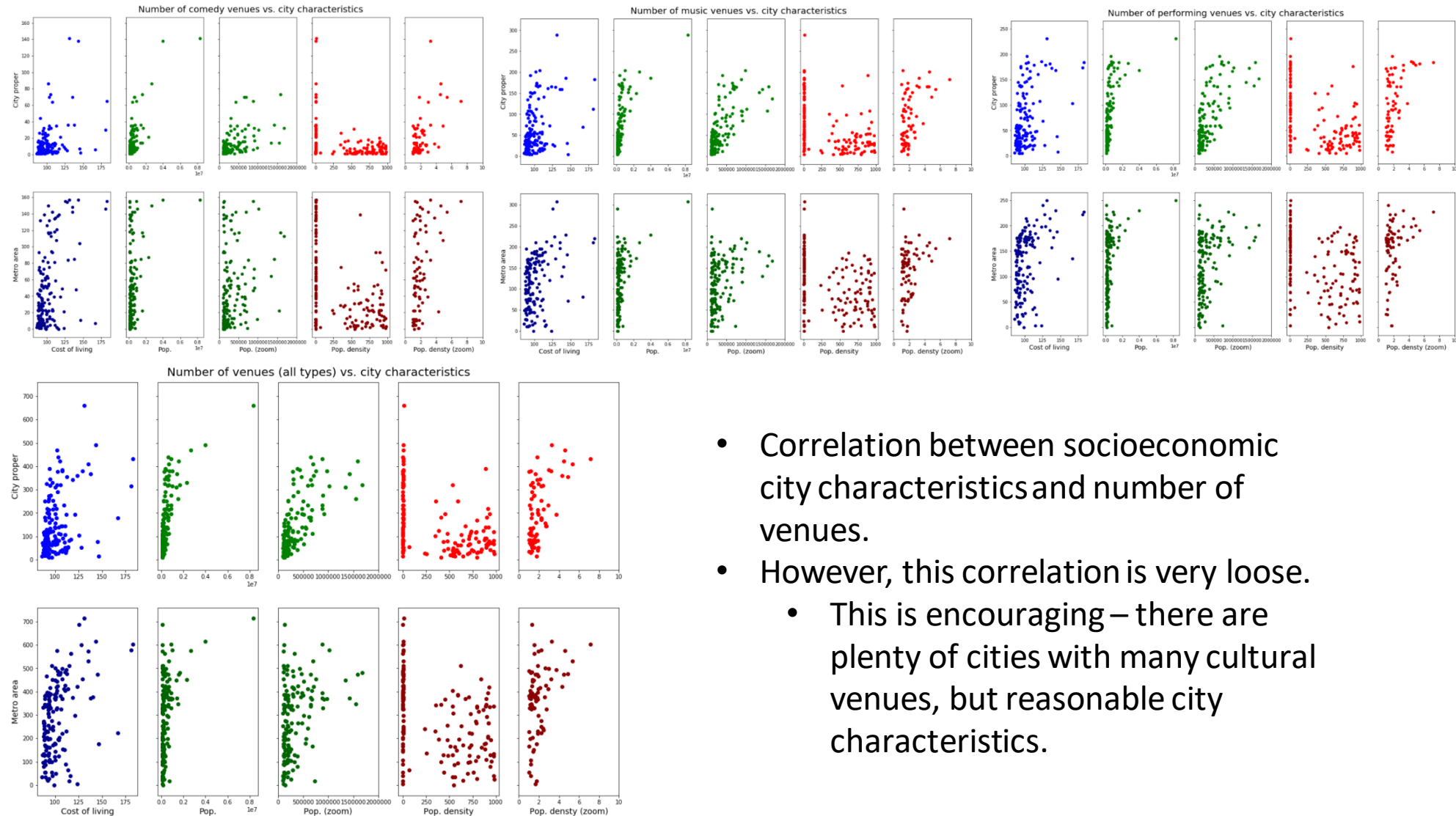
- Data was collected on socioeconomic characteristics of different US cities.
  - Cost of living, population and population density, city location.
- Data was also collected on access to various culture outlets in these cities.
  - Number of comedy, music, and performing arts venues.
- Various means of comparing these two data sets were used to determine whether access to culture implied higher cost of living and other undesirable sacrifices.

# Results



- Distributions of number of cities with different types of venue vary by venue type and city area considered.
  - More even distributions for greater metro areas than for cities proper.
  - More even distributions for performing arts and music venues than for comedy venues.

# Results



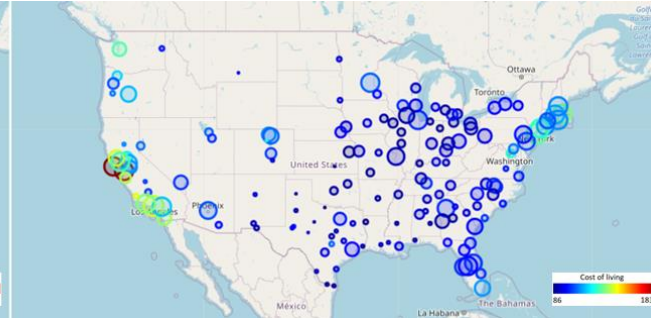
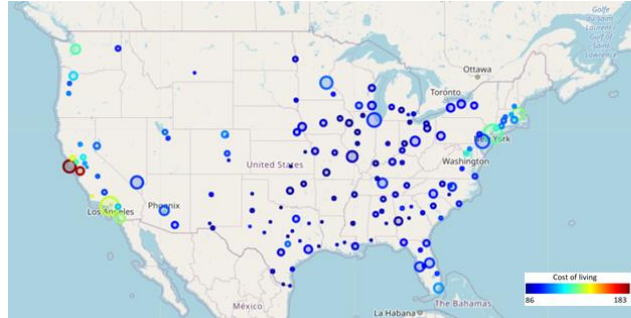
- Correlation between socioeconomic city characteristics and number of venues.
- However, this correlation is very loose.
  - This is encouraging – there are plenty of cities with many cultural venues, but reasonable city characteristics.

# Results

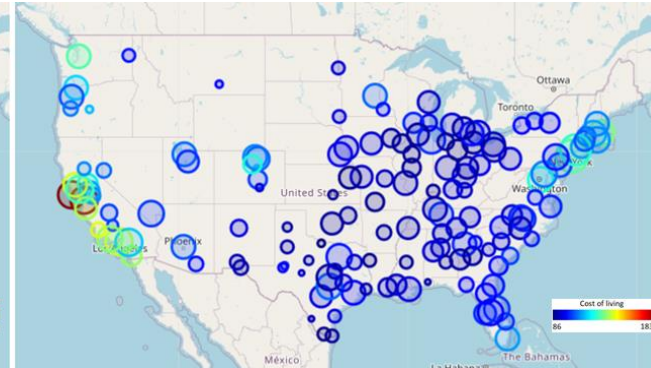
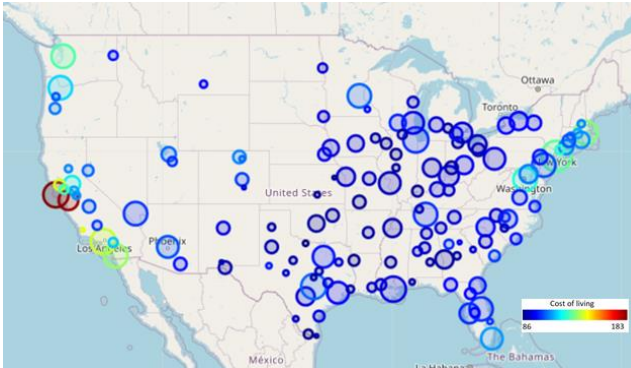
City proper

Metro area

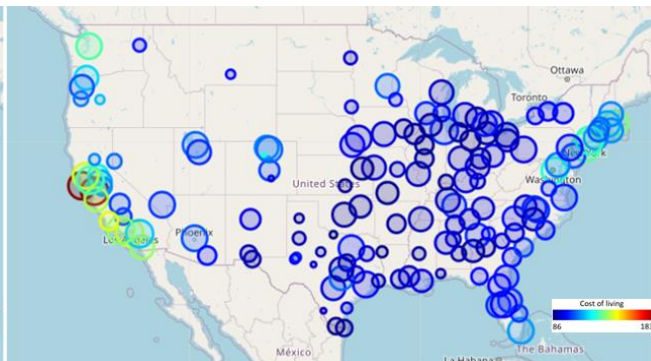
Comedy



Music



Performing arts



- West coast and northeast have highest cost of living.
- Many cities throughout country with reasonable cost of living, and access to entertainment of various types.
- Most of these are located in region spanning from Texas to the Great Lakes.

# Conclusions

- If someone is interested in artistic venues and entertainment, there are many options as far as areas to live in the United States.
- These options increase if one is willing and able to transport themselves to city's metro area, rather than staying within city limits.
- There are whole regions of the country with low cost of living and access to fun entertainment.
- Even if one is limited in where they can live, as long as that limit is not to only a handful of cities, they can likely find a city to live with plenty of fun to be had at a reasonable cost.

Thank you