

Finding Concerts – Philadelphia, PA



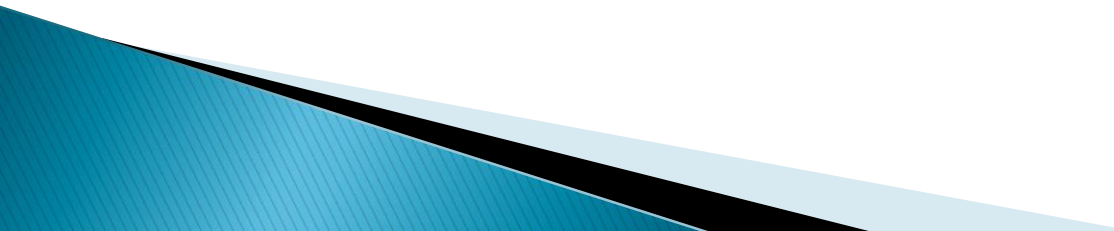
Introduction

- ▶ We will be looking for the top 3 Philadelphia, PA neighborhoods with potential concert venues
- ▶ Useful for people who:
 - Like live music
 - Enjoy more quiet settings

Data Sources

- ▶ Philadelphia Neighborhoods
 - <https://www.phillymag.com/news/2013/04/24/real-estate-2013-philadelphia-neighborhoods/>
- ▶ Zip Codes
 - uszipcode database in Python

Finding Philadelphia, PA Data

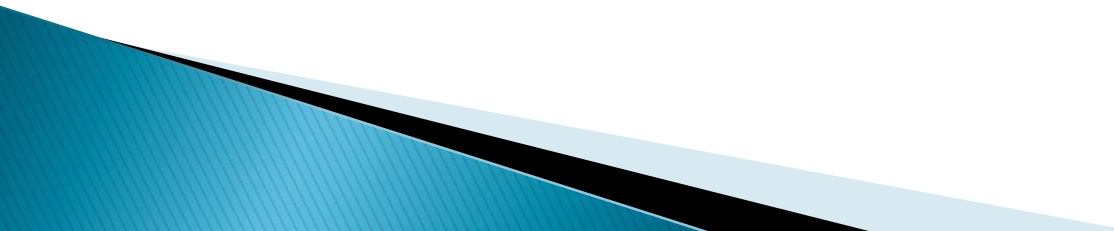
- ▶ Web scrape from Philadelphia Neighborhoods source website
 - ▶ Manipulate pandas dataframe to show only zip code and neighborhood name
 - ▶ Use uszipcode database to find latitude and longitude coordinates for zip code
 - ▶ Merge dataframes on zip code
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Philadelphia Neighborhood Map

- ▶ Created map showing Philadelphia Neighborhoods



FourSquare API

- ▶ Used FourSquare API to get all venues and venue categories for neighborhoods in Philadelphia
 - ▶ Created new dataframe by results that are potential concert venue categories
 - Concert Hall
 - Event Space
 - Music Venue
 - Performing Arts Venue
 - Other Nightlife
 - Jazz Club
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Analyzing Results

- ▶ Grouped venue categories by neighborhood
- ▶ 9 total neighborhoods with concert venues
 - 6 neighborhoods with 1 venue
 - Center City: Broad to 16th, Pine to Callowhill (19102)
 - Rittenhouse (19103)
 - Old City/Society Hill (19106)
 - Mount Airy (19119)
 - North Philadelphia East (19133)
 - Germantown (19144)
 - 3 neighborhoods with 2 venues
 - Center City East (19107)
 - Richmond (19134)
 - South Philly: S. of Tasker, E. of Broad (19148)

Visualization

- ▶ 3 neighborhoods with most concert venues

