



Battle of the Neighborhoods

Data

- With a list of the cities with the best public transportation and my friend's input, the search was narrowed down to 5 major cities: San Francisco, Boston, Philadelphia, Chicago and Portland, OR.
- A list of neighborhoods for the 5 cities (including the East Village) with Latitude and Longitude was compiled from Wikipedia, www.usgs.gov, and Google.
- FourSquare venue data was pulled for each of these neighborhoods (500m around Latitude and Longitude).
- For each neighborhood, venue categories were listed, weighing them based on quantity.
- For each neighborhood, the top 10 venue categories will be used to cluster the neighborhoods into 10 groupings.
- All the neighborhoods that fall within the same cluster as the East Village, will be presented to my friend.

US News – Public Transportation Data

The 10 Best Cities for Public Transportation

These metro areas offer numerous transportation options for commuters.



By Casey Leins, Staff Writer April 3, 2019, at 3:30 p.m.



In 2017, Americans took 10.1 billion trips on public transportation, with 34 million trips each day, according to the [American Public Transportation Association](#). Still, 45 percent of Americans do not have access to public transportation.

AllTransit, the largest source of transit data in the nation, created a [ranking](#) to identify which cities offer the best public transportation systems, based on factors including the number of jobs accessible within a 30 minute trip and frequency of service.



Out of all U.S. cities with a population above 250,000, these metro areas made the top 10:

1. (Tie) San Francisco, California

Score: 9.6

Jobs accessible within a 30 minute trip: 653,730

Transit routes within a half mile: 26

Commuters who use transit: 36.5 percent

3. Boston, Massachusetts

Score: 9.4

Jobs accessible in 30 minute trip: 645,907

Transit routes within a half mile: 16

Commuters who use transit: 34.8 percent

Neighborhood Data

- Started with a list from Wikipedia and based on matching names, added Latitude and Longitude from www.usgs.gov. Filled any unfound neighborhoods using Google.

Neighborhoods in Boston

From Wikipedia, the free encyclopedia

Boston's diverse [neighborhoods](#) serve as a political and cultural organizing mechanism. The City of Boston's Office of Neighborhood Services has designated 23 Neighborhoods in the city:

- [Allston](#)
- [Back Bay](#)
- [Bay Village](#)
- [Beacon Hill](#)
- [Brighton](#)
- [Charlestown](#)
- [Chinatown/Leather District](#)



FEATURE_NAME	FEATURE_CLASS	PRIM_LAT_DEC	PRIM_LONG_DEC
Aberdeen	Populated Place	42.3445416	-71.1494977
Allston	Populated Place	42.3584304	-71.1258861
Ashmont	Populated Place	42.2834319	-71.0689393
Back Bay	Populated Place	42.3500974	-71.0869961
Bay Village	Populated Place	42.3506531	-71.0697734
Beachmont	Populated Place	42.3959305	-70.986994
Beacon Hill	Populated Place	42.3587085	-71.067829
Bellevue	Populated Place	42.2875981	-71.1453304
Boston	Populated Place	42.3584308	-71.0597732
Brighton	Populated Place	42.3500971	-71.1564423
Cedar Grove	Populated Place	42.2806543	-71.0578279
Charlestown	Populated Place	42.3778749	-71.0619957
Chelsea	Populated Place	42.3917638	-71.0328284
Chinatown	Populated Place	0	0
City Point	Populated Place	42.3362091	-71.0286611
Clarendon Hills	Populated Place	42.2750984	-71.1244964
Cottage Hill	Populated Place	42.3681534	-70.9689376
Cottage Park	Populated Place	42.3709309	-70.9869937
Court Park	Populated Place	42.3728754	-70.9947717

FourSquare Data

- FourSquare venue data was be pulled for each of the neighborhoods and unneeded data was removed leaving the data below.

	City	Neighborhood	Neighborhood Latitude	Neighborhood Longitude	Venue	Venue Latitude	Venue Longitude	Venue Category
11	Philadelphia	Allegheny West	40.008446	-75.177956	Mimmo's Pizza	40.004747	-75.178731	Pizza Place
27	Philadelphia	Allegheny West	40.008446	-75.177956	Good Garden	40.004439	-75.176965	Chinese Restaurant
31	Philadelphia	Bella Vista	39.935391	-75.157122	Anastasi Seafood	39.936190	-75.158336	Seafood Restaurant
32	Philadelphia	Bella Vista	39.935391	-75.157122	Ba Le Bakery	39.935134	-75.154342	Vietnamese Restaurant
33	Philadelphia	Bella Vista	39.935391	-75.157122	Prima Pizza Taquiera Mexicana	39.936130	-75.158627	Mexican Restaurant
35	Philadelphia	Bella Vista	39.935391	-75.157122	Rim Cafe	39.934280	-75.158928	Café
37	Philadelphia	Bella Vista	39.935391	-75.157122	Talluto's	39.937667	-75.158147	Italian Restaurant
38	Philadelphia	Bella Vista	39.935391	-75.157122	Taqueria La Veracruzana	39.936409	-75.158924	Mexican Restaurant
40	Philadelphia	Bella Vista	39.935391	-75.157122	Italian Market	39.937675	-75.158052	Farmers Market
42	Philadelphia	Bella Vista	39.935391	-75.157122	South Philly Barbacoa	39.934987	-75.158697	Mexican Restaurant
43	Philadelphia	Bella Vista	39.935391	-75.157122	Di Bruno Bros.	39.938001	-75.158206	Cheese Shop
44	Philadelphia	Bella Vista	39.935391	-75.157122	Garage	39.933507	-75.158887	Bar