

THE BATTLE OF NEIGHBORHOODS

APPLIED DATA SCIENCE CAPSTONE PROJECT

How do I find a good neighbourhood in the greater Dallas county to start my Asian restaurant?

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Introduction

Background

 Asian migrants to the U.S. tends to favor starting a Asian cuisine as a viable option when starting a new life there.

Problem Description

- U.S. is a big place and finding a feasible location to start an Asian cuisine can be a challenge.
- This project demonstrates how the basic fundamental law of Demand and Supply can be used to analyze statistical data
- This project will use the greater area of Dallas and narrow down to a few feasible neighborhoods. The same process can be repeated with other areas of interest.

Interest

 Those who are interested in starting an Asian Restaurant in the U.S. once they migrate there.

Data Acquisition and Processing

Data Terminology

- Term "Asian cuisine" has loose definition and its interpretation can impact the nature of data from a given source
- Data Sources: 3 types identified
 - Demographic profile from U.S. Census Bureau 2013-2017 American Community Survey 5-Year Estimates (ACS) and Center for Public Policy Priorities
 - Venue data from Foursquare.com
 - Dallas zip codes for the neighborhoods in Dallas county and the latitude/longitudes

Data cleaning

- Foursquare takes a lat/long, a radius, and attempts to retrieve the specified number of venues covered by the circle scribed by the radius. Small radius means insufficient venues retrieved. Large radius means overlapping circles and duplicate venues
- Food Venue Category- venues are classified rather arbitrary
- Census data is only a rough guide, sourced from ACS is up to 2017.

Data Acquisition and Processing (cont.)

- Feature selection
 - Dallas county has 20 neighborhoods and 84 zip codes. Group by neighborhoods
 - Foursquare will retrieve firstly by food, then by Asian food
 - Demographics- % of Asian population
- Analytical method Demand and Supply of the market segment
 - The data is influenced by the understanding of of the definition of food category, such as "Asian" vs "Sushi" or "dumpling"
 - Percentage of Asians population in a neighborhood may be related to amount of Asian venues in that neighborhood

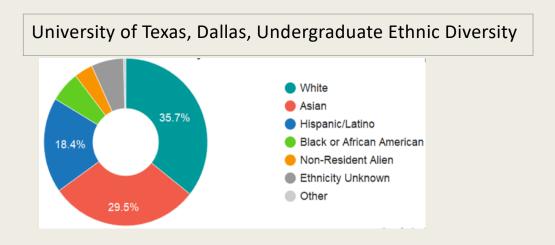
Exploratory Data Analysis - Demographics

- The <u>population</u> of Dallas county is approximately 2.4M, with:
 - White being 1.56M which is 61% and
 - Asians forming 153K which translates to 6%
- The table shows a snippet of the census data from ACS which shows the breakdown of what constitutes Asian where Vietnamese forms 21% of the Asian race. Chinese forms only 11%. Asian Indian form 36%
- Hence, any neighbourhood with higher than 6% Asian population is worth noting.

#	Race		Estimate
1	White		1,565,175
2	Black		572,491
3	Asian Total		153,214
	Asian Indian	54,697	
	Chinese	16,879	
	Filipino	10,306	
	Japanese	2,388	
	Korean	9,242	
	Vietnamese	32,610	
	Asian Others	27,092	
4	American Indian		8,310

Exploratory Data Analysis - Demographics (cont.)

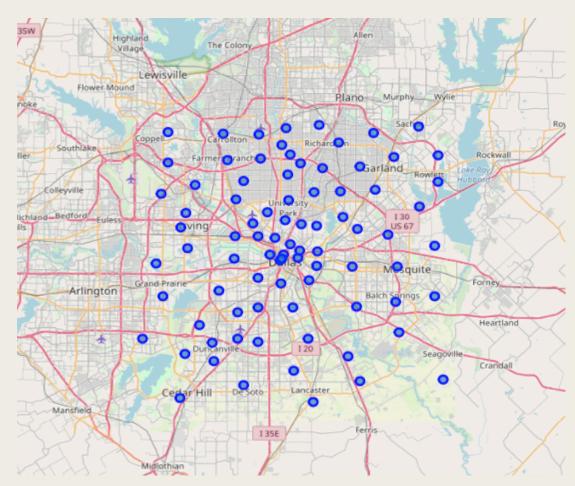
- Also, most of the neighbourhood with higher percentage of Asian population such as, Addison, Coppell, Garland, Sachse, Richardson, and Rowlett are all to the North side (between North East to North West) of Dallas
- Another thing to call out will be that Richardson is the home to University of Texas, Dallas. The university has reported that 29.5% of its undergrads are Asians



No.	Neighborhood	Population	% of Asians
1	Addison	12414	11.22
2	Balch Springs	23031	
3	Carrollton	46364	14.37
4	Cedar Hill	45373	
5	Coppell	38666	23.58
6	Dallas	1190205	
7	Desoto	48877	
8	Duncanville	38530	
9	Garland	226892	10.93
10	Grand Prairie	169322	7.29
11	Hutchins	5374	
12	Irving	217883	18.52
13	Lancaster	38269	
14	Mesquite	140703	
15	Richardson	78165	16.39
16	Rowlett	54963	7.7
17	Sachse	20328	
18	Seagoville	18339	
19	Sunnyvale	5118	
20	Wilmer	3956	

Exploratory Data Analysis - Foursquare

- Foursquare takes a lat/long, a radius, and attempts to retrieve the specified number of venues covered by the circle scribed by the radius.
- Folium map shows zip code density higher around Dallas central
- The returned values were grouped by neighbourhood as there would otherwise be 84 zip codes as opposed to 20 neighborhoods
- 3KM radius passed to Foursquare may not be effective if venue density is too high resulting in overlapping zip codes or too low with less values returned.



Exploratory Data Analysis – Foursquare (cont.)

- The All venues frequency is built using the "Food" as venue category
- The Asian venues frequency is built using the "Asian Restaurant" as venue category
- The returned values were grouped by neighbourhood as there would otherwise be 84 zip codes as opposed to 20 neighborhoods.
- Foursquare venue data shows that places with percentage of Asian population above the 6% average also tend to have a higher ratio of Asian venues.
- Richardson which has 67% Asian venues is the home of the University of Texas, Dallas.

No	Neighborhood	Population	% of	Venues Frequency				
		. opulation	Asians	All	Asian			
1	Addison	12414	11.22	100	38			
2	Balch Springs	23031		40	5			
3	Carrollton	46364	14.37	100	65			
4	Cedar Hill	45373		50	3			
5	Coppell	38666	23.58	75	9			
6	Dallas	1190205		3506	1235			
7	Desoto	48877		40	3			
8	Duncanville	38530		117	20			
9	Garland	226892	10.93	321	70			
10	Grand Prairie	169322	7.29	136	15			
11	Hutchins	5374		10	2			
12	Irving	217883	18.52	481	98			
13	Lancaster	38269		30	3			
14	Mesquite	140703		187	16			
15	Richardson	78165	16.39	200	134			
16	Rowlett	54963	7.7	79	15			
17	Sachse	20328		17	4			
18	Seagoville	18339						
19	Sunnyvale	5118		7	1			
20	Wilmer	3956		7				

All Venues Frequencies in Dallas County from Foursquare

- Foursquare breakdowns the Asian venue into its subclassifications such as Chinese, Asian, Thai, Indian, Japanese, and Korean.
- Data is just indicative Coppell has a 23.58 % Asian population, but no Asian or Chinese venues in top 20. Has Indian, Japanese & Vietnamese venues.

Neighbor	rhood	1st Most	2nd Most	3rd Most	4th Most	5th Most	6th Most	7th Most	8th Most	9th Most	10th Most	11th Most	12th Most	13th Most	14th Most	15th Most	16th Most	17th Most	18th Most	19th Most	20th Most
reignbon	, IIIoou	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common	Common
Addisc	son	Mexican Restaurant	Italian Restaurant	American Restaurant	Burger Joint	Steakhouse	Pizza Place	Sandwich Place	Sushi Restaurant	Diner	Restaurant	Seafood Restaurant	Wings Joint	Chinese Restaurant	Asian Restaurant	Breakfast Spot	Deli / Bodega	Bakery	Fried Chicken Joint	BBQ Joint	Thai Restaurant
Balch Spi	prings		Fried Chicken Joint	Pizza Place	Chinese Restaurant	Food	Mexican Restaurant	Taco Place	Bakery	Bagel Shop	Burger Joint	Sandwich Place	Diner	Café	Asian Restaurant	Seafood Restaurant	Ethiopian Restaurant	Fondue Restaurant	Fish & Chips Shop	Dumpling Restaurant	Donut Shop
Carrollt	lton	Mexican Restaurant	Fast Food Restaurant	Pizza Place	Korean Restaurant	Sandwich Place	Sushi Restaurant	Fried Chicken Joint	Indian Restaurant	Chinese Restaurant	Asian Restaurant	Vietnamese Restaurant	Burger Joint	Thai Restaurant	Diner	Donut Shop	Cafv©	BBQ Joint	Breakfast Spot	Bakery	Caribbean Restaurant
Cedar H	Hill		American Restaurant	Pizza Place	Mexican Restaurant	Fried Chicken Joint	Burger Joint	Donut Shop	Seafood Restaurant	Italian Restaurant	Breakfast Spot	Chinese Restaurant	Sandwich Place	Food	Cafv©	Wings Joint	Southern / Soul Food Restaurant	Sushi Restaurant	Tex-Mex Restaurant	Bakery	BBQ Joint
Coppe	ell	Pizza Place	Fast Food Restaurant	American Restaurant	Sandwich Place	Mexican Restaurant	Bakery	Tex-Mex Restaurant	Burger Joint	Donut Shop	Indian Restaurant	Food	Cafv©	BBQ Joint	Italian Restaurant	Japanese Restaurant	Mediterranean Restaurant	Vietnamese Restaurant	Middle Eastern Restaurant	Diner	Greek Restaurant
Dalla	as	Mexican Restaurant	Fast Food Restaurant	American Restaurant	Pizza Place	Sandwich Place	Burger Joint	Fried Chicken Joint	Taco Place	Italian Restaurant	Seafood Restaurant	BBQ Joint	Restaurant	Chinese Restaurant	Bakery	Steakhouse	New American Restaurant	Donut Shop	Breakfast Spot	Thai Restaurant	Diner
Desot	oto	Pizza Place	Donut Shop	Fast Food Restaurant	American Restaurant	Sandwich Place	Seafood Restaurant	Fried Chicken Joint	Burger Joint	Fish & Chips Shop	Mexican Restaurant	Wings Joint	Chinese Restaurant	Tex-Mex Restaurant	Bakery	Restaurant	Ethiopian Restaurant	Diner	Dumpling Restaurant	Food	Fondue Restaurant
Duncan	rville		Pizza Place	American Restaurant	Fried Chicken Joint	Mexican Restaurant	Chinese Restaurant	Wings Joint	Seafood Restaurant	BBQ Joint	Italian Restaurant	Sandwich Place	Food	Donut Shop	Diner	Restaurant	Bagel Shop	Taco Place	Sushi Restaurant	Bakery	Burger Joint
Garlar	ind		Mexican Restaurant	Pizza Place	Burger Joint	Chinese Restaurant	American Restaurant	Sandwich Place	Donut Shop	Fried Chicken Joint	Taco Place	Seafood Restaurant	Wings Joint	BBQ Joint	Restaurant	Vietnamese Restaurant	Italian Restaurant	Breakfast Spot	Food	Bakery	Sushi Restaurant
Grand Pr	rairie		Mexican Restaurant	Pizza Place	Fried Chicken Joint	Sandwich Place	Bakery	American Restaurant	Taco Place	BBQ Joint	Donut Shop	Wings Joint	Chinese Restaurant	Burger Joint	Restaurant	Italian Restaurant	Seafood Restaurant	Diner	Steakhouse	Food Stand	Food Court
Hutchi	nins .		Food	American Restaurant	Sandwich Place	Truck Stop	Fried Chicken Joint	Wings Joint	Diner	Donut Shop	Dumpling Restaurant	Ethiopian Restaurant	Fish & Chips Shop	Fondue Restaurant	Food Stand	Food Court	Deli / Bodega	Food Truck	French Restaurant	Gastropub	German Restaurant
Irving	ng	Mexican Restaurant	Fast Food Restaurant	Sandwich Place	Indian Restaurant	Pizza Place	American Restaurant	Fried Chicken Joint	Burger Joint	Asian Restaurant	Bakery	Restaurant	Chinese Restaurant	Breakfast Spot	Italian Restaurant	Deli / Bodega	Donut Shop	Japanese Restaurant	Brazilian Restaurant	American	Food
Lancast	ster		Pizza Place	Wings Joint	Chinese Restaurant	CafV©	Fried Chicken Joint	Food	Mexican Restaurant	Food Truck	Burger Joint	Donut Shop	Taco Place	Italian Restaurant	Bakery	BBQ Joint	Asian Restaurant	American Restaurant	Gastropub	German Restaurant	Greek Restaurant
Mesqu	uite		Mexican Restaurant	American Restaurant	Pizza Place	Burger Joint	Sandwich Place	Fried Chicken Joint	Chinese Restaurant	BBQ Joint	Taco Place	Breakfast Spot	Donut Shop	Greek Restaurant	Italian Restaurant	Steakhouse	Diner	Restaurant	Deli / Bodega	Wings Joint	Seafood Restaurant
Richard	dson	Mexican Restaurant	Sandwich Place	Chinese Restaurant	Bakery	Burger Joint	American Restaurant	Mediterranea n Restaurant	Fast Food Restaurant	Vietnamese Restaurant	Indian Restaurant	BBQ Joint	Pizza Place	Taco Place	Cafv©	Italian Restaurant	Asian Restaurant	Donut Shop	Fried Chicken Joint	Breakfast Spot	Wings Joint
Rowle	ett		Mexican Restaurant	Pizza Place	Sandwich Place	Chinese Restaurant	Fried Chicken Joint	Deli / Bodega	Restaurant	Burger Joint	Italian Restaurant	Greek Restaurant	Seafood Restaurant	Wings Joint	Asian Restaurant	BBQ Joint	American Restaurant	Thai Restaurant	Breakfast Spot	Vietnamese Restaurant	Donut Shop
Sachs	ise E	Burger Joint	Sandwich Place	Fast Food Restaurant	Fried Chicken Joint	Mexican Restaurant	Wings Joint	Breakfast Spot	Pizza Place	CafV©	Donut Shop	Food Truck	French Restaurant	Diner	Food Court	Gastropub	Food	Fondue Restaurant	Fish & Chips Shop	German Restaurant	Ethiopian Restaurant
Sunnyv	vale	American Restaurant	Sandwich Place	Italian Restaurant	Donut Shop	Food Truck	Mexican Restaurant	Sushi Restaurant	Wings Joint	Fondue Restaurant	Diner	Dumpling Restaurant	Ethiopian Restaurant	Fast Food Restaurant	Fish & Chips Shop	Food Stand	Food	Food Court	Deli / Bodega	French Restaurant	Fried Chicken Joint
Wilme	ner		American Restaurant	Diner	Truck Stop	Sandwich Place	Pizza Place	Wings Joint	Food	Donut Shop	Dumpling Restaurant	Ethiopian Restaurant	Fish & Chips Shop	Fondue Restaurant	Food Court	Deli / Bodega	Food Stand	Food Truck	French Restaurant	Fried Chicken Joint	Gastropub
	Addis Balch Si Carrol Cedar Copp Dall Desc Duncar Garla Grand P Hutch Irvir Lanca Mesq Richar Rowl Sach	Balch Springs Carrollton Cedar Hill Coppell Dallas Desoto Duncanville Garland Grand Prairie Hutchins Irving Lancaster Mesquite Richardson Rowlett Sachse Sunnyvale	Neighborhood Addison Restaurant Balch Springs Fast Food Restaurant Carrollton Restaurant Cedar Hill Fast Food Restaurant Coppell Pizza Place Dallas Mexican Restaurant Desoto Pizza Place Duncanville Fast Food Restaurant Garland Fast Food Restaurant Garland Fast Food Restaurant Hutchins Fast Food Restaurant Inving Restaurant Lancaster Fast Food Restaurant Mexican Restaurant Fast Food Restaurant Restaurant Fast Food Restaurant Fast Food Restaurant Restaurant Fast Food Restaurant	Neighborhood Common Common Addison Restaurant Balch Springs Restaurant Carrollton Restaurant Cedar Hill Fast Food Restaurant Coppell Pizza Place Restaurant Dallas Mexican Restaurant Desoto Pizza Place Donut Shop Duncanville Fast Food Restaurant Garland Restaurant Fast Food Restaurant Fast Food Restaurant Desoto Pizza Place Donut Shop Duncanville Fast Food Restaurant Fast Food Restaurant Grand Prairie Fast Food Restaurant Hutchins Fast Food Restaurant Restaurant Fast Food Restaurant Fast Food Restaurant Restaurant Fast Food Restaurant Restaurant Richardson Restaurant Richardson Restaurant Sandwich Place Sunnyvale American Restaurant Sandwich Place Sunnyvale Fast Food American	Neighborhood Common Common Common Addison Restaurant Restaurant Restaurant Restaurant Restaurant Restaurant Pizza Place Restaurant Pizza Place Pizza Place Restaurant Pizza Place Pizza Place Restaurant Pizza Place Restaurant Pizza Place Restaurant Restaurant Restaurant Restaurant Pizza Place Restaurant Restaurant Restaurant Restaurant Pizza Place Restaurant Restaurant Restaurant Restaurant Restaurant Restaurant Pizza Place Restaurant Pizza Place Restaurant Restaurant Restaurant Pizza Place Restaurant Restaurant Restaurant Restaurant Restaurant Pizza Place Restaurant Piz	Neighborhood Common Common Common Common Common Addison Mexican Restaurant Restaurant Restaurant Restaurant Restaurant Burger Joint Burger Joint Chinese Restaurant Pizza Place Pizza Place Restaurant Pizza Place Pizza Place Restaurant Pizza Place Pizza Place Restaurant Restaurant Restaurant Restaurant Pizza Place Restaurant Pizza P	Neighborhood Common Comm	Mexican Restaurant Restau	Neighborhood Common Comm	Addison Mexican Restaurant Restauran	Addison Mexican Restaurant Restaurant Restaurant Restaurant Restaurant Restaurant Restaurant Restaurant Pizza Place Pizza Pizz	Addison Mexican Restaurant Fried Chicken Joint Restaurant Pizza Place Duncamville Fast Food Restaurant Restaurant Restaurant Restaurant Pizza Place Duncamville Restaurant Pizza Place American Restaurant Pizza Place Duncamville Restaurant Pizza Place Restaurant Pizza Place Place Duncamville Restaurant Pizza Place Restaurant Pizza Place Place Duncamville Restaurant Pizza Place Restaurant Pizza Place Plac	Medican Restaurant Restau	Medican Restaurant Restaurant Place Restaurant Restaura	Addition Mexican Addition Mexican Restaurant Restaura	Addison Restaurant Restaurant Burger Joint Steakhouse Fizza Place Restaurant Burger Joint Steakhouse Fizza Place Restaurant	Addison Resturant Restaurant Restaurant Restaurant Restaurant Filipate Place P	Addison Restaurant Res	Add Summer Common Commo	Addission Restaurant R	Marie Mari

Asian Venues Frequencies in Dallas County from Foursquare

- "Asian" and "Chinese" restaurant classification may be a bucket for those that restaurants that offer a "wider" variety of cuisines
- Neighborhoods that have Chinese and/or Asian restaurants below top 4 ranking, which is Desoto, Hutchins, Grand Prairie, Sachse, and Sunnyvale, all have a below average % of Asian populations

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Neighborhood	1st Most Common	2nd Most Common	3rd Most Common	4th Most Common	5th Most Common	6th Most Common	7th Most Common	8th Most Common	9th Most Common	10th Most Common	11th Most Common	12th Most Common	13th Most Common	14th Most Common	15th Most Common	16th Most Common	17th Most Common	18th Most Common	19th Most Common	20th Most Common
Addison	Asian Restaurant	Chinese Restaurant	Thai Restaurant	Sushi Restaurant	Japanese Restaurant	Vietnamese Restaurant	Korean Restaurant	Noodle House	Food Truck	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Wings Joint	Filipino Restaurant	Fast Food Restaurant	Dim Sum Restaurant	Burmese Restaurant	Buffet	Bakery	Diner
Balch Springs	Chinese Restaurant	Asian Restaurant	Wings Joint	Filipino Restaurant	Karaoke Bar	Japanese Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Fast Food Restaurant	Vietnamese Restaurant	Diner	Dim Sum Restaurant	Burmese Restaurant	Buffet	Bakery	Korean Restaurant	Mongolian Restaurant	New American Restaurant
Carroliton	Korean Restaurant	Asian Restaurant	Chinese Restaurant	Vietnamese Restaurant	Sushi Restaurant	Thai Restaurant	Ramen Restaurant	Japanese Restaurant	Karaoke Bar	Soup Place	Noodle House	Filipino Restaurant	Fried Chicken Joint	Food Truck	Wings Joint	Fast Food Restaurant	Himalayan Restaurant	Dim Sum Restaurant	Burmese Restaurant	Buffet
Cedar Hill	Asian Restaurant	Chinese Restaurant	Sushi Restaurant	Wings Joint	Filipino Restaurant	Japanese Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Diner	Fast Food Restaurant	Korean Restaurant	Dim Sum Restaurant	Burmese Restaurant	Buffet	Bakery	Karaoke Bar	Mongolian Restaurant	Vietnamese Restaurant
Coppell	Vietnamese Restaurant	Chinese Restaurant	Japanese Restaurant	Asian Restaurant	Thai Restaurant	Sushi Restaurant	Peking Duck Restaurant	Filipino Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Wings Joint	Fast Food Restaurant	Karaoke Bar	Dim Sum Restaurant	Burmese Restaurant	Buffet	Bakery	Diner
Dallas	Asian Restaurant	Chinese Restaurant	Sushi Restaurant	Thai Restaurant	Japanese Restaurant	Vietnamese Restaurant	Korean Restaurant	Ramen Restaurant	Noodle House	Food Truck	Fast Food Restaurant	Seafood Restaurant	Taiwanese Restaurant	Fried Chicken Joint	Sandwich Place	New American Restaurant	American Restaurant	Vegetarian / Vegan Restaurant	Poke Place	Szechuan Restaurant
Desoto	Chinese Restaurant	Thai Restaurant	Wings Joint	Fast Food Restaurant	Japanese Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Filipino Restaurant	Diner	Korean Restaurant	Dim Sum Restaurant	Burmese Restaurant	Buffet	Bakery	Asian Restaurant	Karaoke Bar	Mongolian Restaurant	Vietnamese Restaurant
Duncanville	Chinese Restaurant	Asian Restaurant	Vietnamese Restaurant	Sushi Restaurant	Mongolian Restaurant	Burmese Restaurant	Buffet	Bakery	Dim Sum Restaurant	Korean Restaurant	Fast Food Restaurant	Filipino Restaurant	Food Truck	Fried Chicken Joint	Himalayan Restaurant	Indian Restaurant	Japanese Restaurant	Karaoke Bar	Diner	Wings Joint
Garland	Chinese Restaurant	Vietnamese Restaurant	Asian Restaurant	Sushi Restaurant	Thai Restaurant	Korean Restaurant	Tianjin Restaurant	Filipino Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Wings Joint	Fast Food Restaurant	Diner	Japanese Restaurant	Burmese Restaurant	Buffet	Bakery	Dim Sum Restaurant
Grand Prairie	Chinese Restaurant	Asian Restaurant	Japanese Restaurant	Filipino Restaurant	Sushi Restaurant	Wings Joint	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Diner	Fast Food Restaurant	Korean Restaurant	Dim Sum Restaurant	Burmese Restaurant	Buffet	Bakery	Karaoke Bar	Mongolian Restaurant	Vietnamese Restaurant
Hutchins	Asian Restaurant	Sushi Restaurant	Wings Joint	Fast Food Restaurant	Japanese Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Filipino Restaurant	Diner	Korean Restaurant	Dim Sum Restaurant	Chinese Restaurant	Burmese Restaurant	Buffet	Bakery	Karaoke Bar	Mongolian Restaurant	Vietnamese Restaurant
Irving	Asian Restaurant	Chinese Restaurant	Thai Restaurant	Japanese Restaurant	Sushi Restaurant	Korean Restaurant	Vietnamese Restaurant	Indian Restaurant	Himalayan Restaurant	Sandwich Place	Bakery	Wings Joint	Dim Sum Restaurant	Diner	Fast Food Restaurant	Filipino Restaurant	Food Truck	Fried Chicken Joint	Burmese Restaurant	Buffet
Lancaster	Chinese Restaurant	Asian Restaurant	Wings Joint	Filipino Restaurant	Karaoke Bar	Japanese Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Fast Food Restaurant	Vietnamese Restaurant	Diner	Dim Sum Restaurant	Burmese Restaurant	Buffet	Bakery	Korean Restaurant	Mongolian Restaurant	New American Restaurant
Mesquite	Chinese Restaurant	Japanese Restaurant	Asian Restaurant	Thai Restaurant	Sushi Restaurant	Wings Joint	Filipino Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Dim Sum Restaurant	Fast Food Restaurant	Diner	Korean Restaurant	Burmese Restaurant	Buffet	Bakery	Karaoke Bar	Mongolian Restaurant
Richardson	Asian Restaurant	Chinese Restaurant	Vietnamese Restaurant	Thai Restaurant	Japanese Restaurant	Sushi Restaurant	Korean Restaurant	Noodle House	Ramen Restaurant	Dim Sum Restaurant	Vegetarian / Vegan Restaurant	Buffet	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Wings Joint	Food Truck	Filipino Restaurant	Fast Food Restaurant	Burmese Restaurant
Rowlett	Chinese Restaurant	Asian Restaurant	Vietnamese Restaurant	Thai Restaurant	Filipino Restaurant	Karaoke Bar	Japanese Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Wings Joint	Fast Food Restaurant	Korean Restaurant	Dim Sum Restaurant	Burmese Restaurant	Buffet	Bakery	Diner	Mongolian Restaurant
Sachse	Japanese Restaurant	Chinese Restaurant	Sushi Restaurant	Korean Restaurant	Wings Joint	Filipino Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Diner	Fast Food Restaurant	Dim Sum Restaurant	Burmese Restaurant	Buffet	Bakery	Asian Restaurant	Karaoke Bar	Mongolian Restaurant	Vietnamese Restaurant
Sunnyvale	Sushi Restaurant	Wings Joint	Fast Food Restaurant	Japanese Restaurant	Indian Restaurant	Himalayan Restaurant	Fried Chicken Joint	Food Truck	Filipino Restaurant	Diner	Korean Restaurant	Dim Sum Restaurant	Chinese Restaurant	Burmese Restaurant	Buffet	Bakery	Asian Restaurant	Karaoke Bar	Mongolian Restaurant	Vietnamese Restaurant
					-		-			-										

Interpreting the results

- Terminologies and classifications don't follow a hard and fast rule. Need to use judgement when analyzing results from Foursquare or Census ACS.
- Generally, neighborhoods with above average Asian population have an average higher ratio of Asian venue count.
- Data may be skewed either by zoning, such as the city of Dallas which has multiple zip codes or neighborhoods with high concentration such as universities
- The trend is for a restaurant to serve a wide range of Asian cuisines and classify itself Asian or Chinese restaurant.
- Hence, in conclusion, places with high concentration of Asians such as universities or neighborhoods with above average percentage of Asian population is worth exploring for starting an Asian restaurant that offers a wide option of Asian cuisine



