

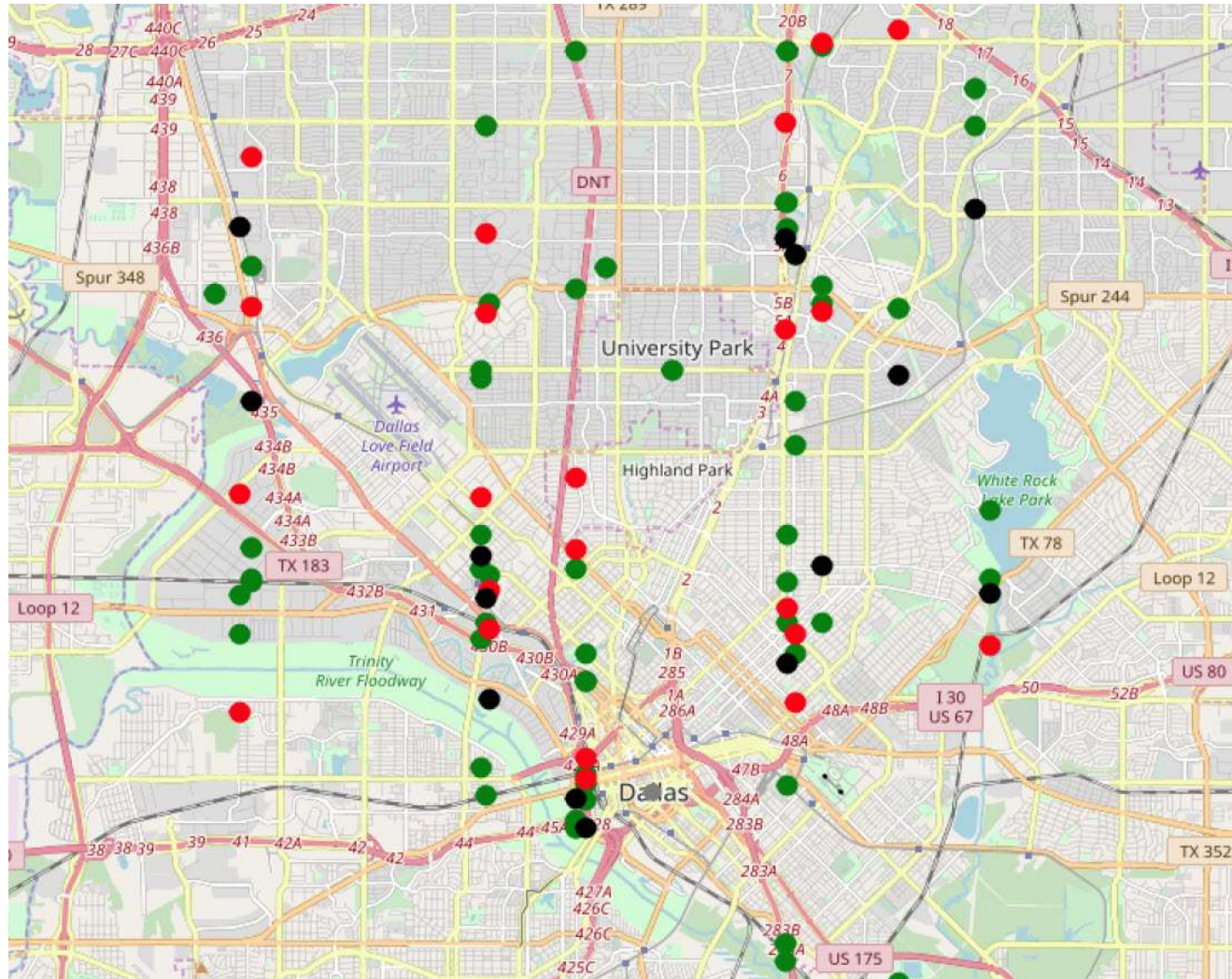
Food Deserts vs Food Swamps in the City of Dallas

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Capstone Final Project

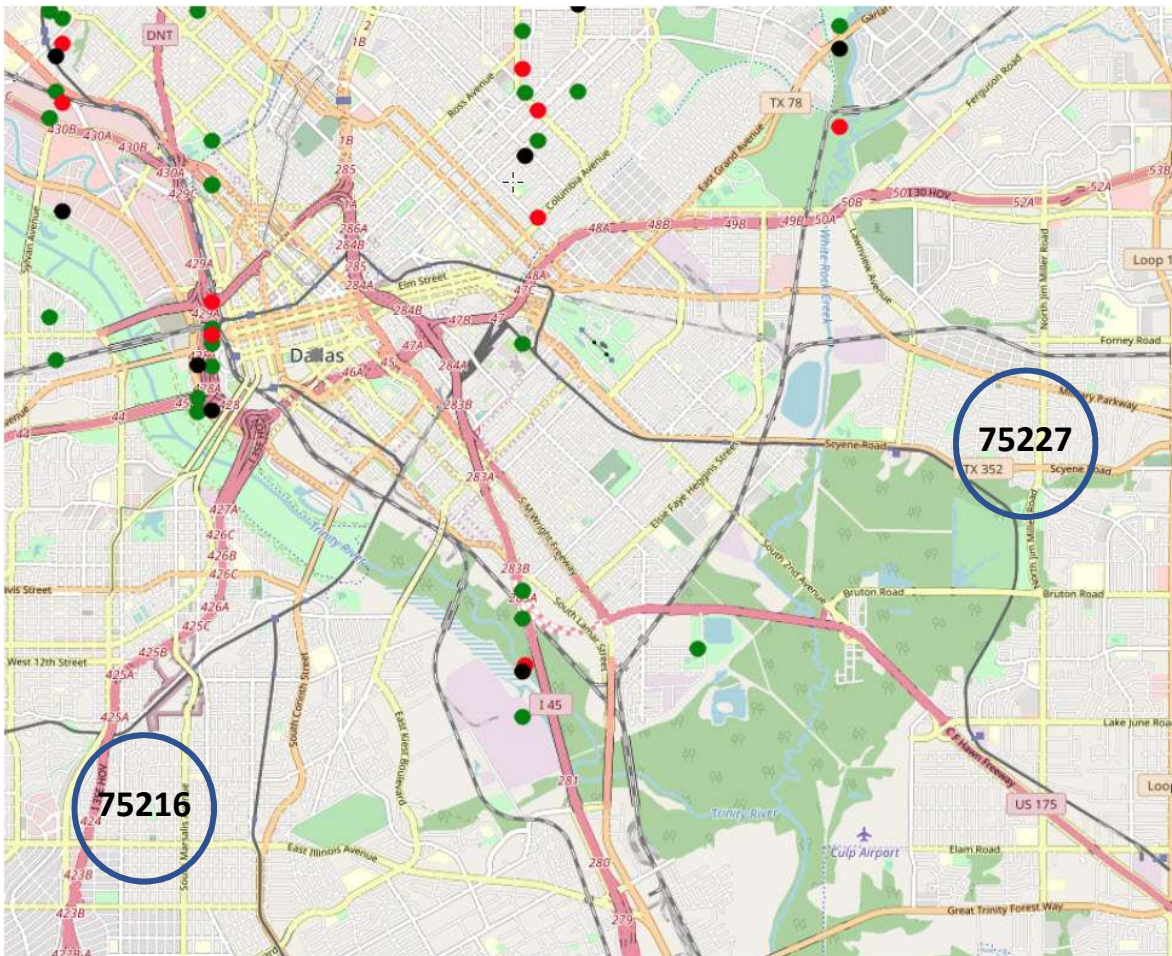
03/10/19

Healthy vs Non-Healthy Foods



Represents all data points
Red = Unhealthy
Green = Healthy
Black = Liquor Stores

Missing 75216 and 75227



The large blue circles
Represent the 2 areas
Of Dallas from which I was
Raised. These zip codes
75216 and 75227 contain
Tons of fast food chains,
None of which were
Captured in the Foursquare
Data

Venue Categories

	Venue Category	Category ID	Total
1	Grocery Store	4bf58dd8d48988d118951735	45
2	Health Food Store	50aa9e744b90af0d42d5de0e	23
3	Fast Food Restaurant	4bf58dd8d48988d16e941735	20
4	Farmers Market	4bf58dd8d48988d1fa941735	19
5	Liquor Store	4bf58dd8d48988d186941735	19
6	Convenience Store	4d954b0ea243a5684a65b473	17
7	Fruit & Vegetable Store	52f2ab2ebcbc57f1066b8b1c	6
8	Organic Grocery	52f2ab2ebcbc57f1066b8b45	6
9	Fish Market	4bf58dd8d48988d10e951735	3
10	Supermarket	52f2ab2ebcbc57f1066b8b46	3

These are the 10 categories used in this analysis

Venue Names

#	Venue Name	Total	#	Venue Name	Total	#	Venue Name	Total
1	Missing	16	21	Grabbagreen	2	41	Paul's Fresh Produce	1
2	Kroger	12	22	Sundrops Vitamins & Nutrition	2	42	South Mill Dallas	1
3	Whole Foods Market	12	23	Total Nutrition	2	43	Sowell Liquor Stoe	1
4	GNC	10	24	Ultimate Sports Nutrition	2	44	Spec's	1
5	Chick-fil-A	7	25	Walmart Neighborhood Market	2	45	Spec's Liquor Store	1
6	Trader Joe's	7	26	7-Eleven / Exxon	1	46	Spec's Wine and Liquor Store	1
7	Natural Grocers	6	27	Amberjax Fish Market Grille at Trinity Groves	1	47	Spiceman's FM 1410	1
8	Walmart Supercenter	6	28	Beverage Depot	1	48	TJ's Seafood Market	1
9	Whataburger	6	29	Bountiful Baskets Garland Pickup	1	49	Taxco produce	1
10	7-Eleven	5	30	Bueno Produce	1	50	The Best Sun Produce	1
11	Central Market	5	31	CVS pharmacy	1	51	The Market at Bonton Farms	1
12	Tom Thumb	4	32	Cheap River Liquor Beer Wine	1	52	Total Wine & More	1
13	Cox Farms Market	3	33	Dallas Farmers Market	1	53	Tyler Farmers Market	1
14	McDonald's	3	34	Farmers Fruit And Vegetable	1	54	Tyler Street Market	1
15	Sprouts Farmers Market	3	35	Hill Town Beverage Beer & Wine	1	55	Urban Acres Co-op Pickup	1
16	Ann's Health Food Center & Market	2	36	In-N-Out Burger	1	56	Urban Acres Lake Highlands	1
17	Cbd Kratom	2	37	Lovers Seafood And Market	1	57	Viva Market	1
18	Empire Nutrition	2	38	Medallion Discount Liquor	1	58	WIC Market	1
19	Fitness Essentials	2	39	Parkit Market	1	59	Wendy's	1
20	Goody Goody Liquor	2	40	Paul Quinn College Farmers Market	1	60	White Rock Local Market	1
						61	Wic Market	1

These are the 61 stores that were used in the analysis

Missing Zip Codes

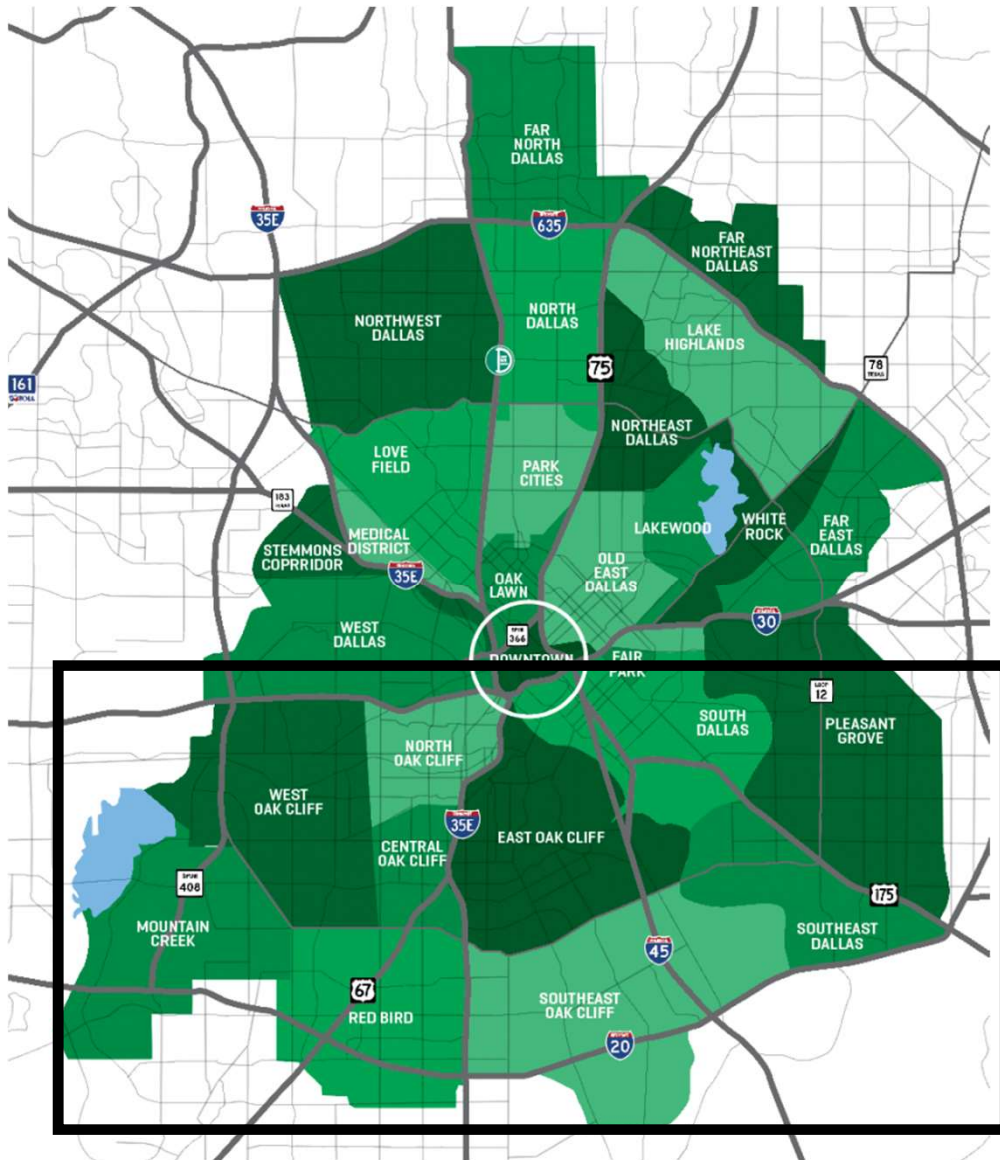
#	Zip Code	Total
1	75206	19
2	75231	15
3	75230	11
4	75204	9
5	75201	8
6	75208	8
7	75235	8
8	75209	7
9	75219	7
10	75214	5
11	75218	4
12	75220	5

#	Zip Code	Total
13	75287	5
14	75205	4
15	75225	4
16	75238	4
17	75243	4
18	75207	3
19	75224	3
20	75226	3
21	75248	3
22	75202	2
23	75237	2
24	75240	2

#	Zip Code	Total
25	75244	2
26	75254	2
27	75261	2
28	75080	1
29	75211	1
30	75212	1
31	75215	1
32	75223	1
33	75228	1
34	75241	1
35	75246	1
36	75247	1
37	75252	1

These are the only zip codes that were available. There are actually Over 80 zip codes in the City of Dallas

The City of Dallas



The black box represents
All of the zip codes that
Were missing from the
Foursquare data.

In Conclusion

- The missing data represented the entire southern section of the City of Dallas
- There appears to be no food deserts or food swamps in the Northern parts of Dallas for which the incomes are the highest
- As a result, no conclusion can be drawn regarding the Southern parts of the City of Dallas