

Number of venues (NOTEDBOOK)	ID	MANHATTAN Neighborhood	Number of neighborhood from cluster (NOTEDBOOK)	CLUSTER NUMBER	Number of venues (CALCULATED)	Population	Area (mile2)	Density (people/mile2)	AVG Income (US\$)	1st Most Common Venue	QUANTIT		QUANTIT		3rd Most Common Venue	QUANTIT		4th Most Common Venue	QUANTIT		5th Most Common Venue	QUANTIT		6th Most Common Venue	QUANTIT		7th Most Common Venue	QUANTIT		8th Most Common Venue	QUANTIT		9th Most Common Venue	QUANTIT		10th Most Common Venue	QUANTIT			
											Neighborhood	Cluster	2nd Most Common Venue	Neighborhood		Cluster	Neighborhood		Cluster	Neighborhood		Cluster	Neighborhood		Cluster	Neighborhood		Cluster	Neighborhood		Cluster	Neighborhood		Cluster						
100	5	Chinatown	1	0	100	9660	0.12	81810.00	36900.00	Chinese Restaurant	9	29	Bakery	6	47	Cocktail Bar	5	36	American Restaurant	4	46	Dessert Shop	4	18	Noodle House	3	7	Salon / Barbershop	3	20	Optical Shop	3	4	Spa	3	23	Hopst Restaurant	3	4	
98	36	Upper East Side	8	0	98	192660	1.63	118470.00	130300.00	Italian Restaurant	7	108	Exhibit	7	7	Coffee Shop	6	85	Bakery	5	47	Gym / Fitness Center	4	27	Yoga Studio	3	20	Juice Bar	3	11	Hotel	3	30	French Restaurant	3	28	Cosmetics Shop	3	18	
100	40	Yorkville	9	0	100					Italian Restaurant	8	108	Bar	6	45	Gym	6	29	Coffee Shop	5	85	Sushi Restaurant	4	34	Deli / Bodega	4	13	Wine Shop	3	25	Diner	3	13	Japanese Restaurant	3	24	Mexican Restaurant	3	29	
100	17	Lenox Hill	10	0	100					Italian Restaurant	7	108	Sushi Restaurant	6	34	Coffee Shop	5	85	Pizza Place	5	47	Cocktail Bar	4	36	Café	3	42	Gym	3	29	Gym / Fitness Center	3	27	Burger Joint	3	15	Playground	2	12	
98	37	Upper West Side	12	0	98	209840	1.94	107970.00	119500.00	Italian Restaurant	7	108	Bar	4	45	Café	4	42	Wine Bar	3	25	Indian Restaurant	3	17	Bakery	3	47	Pizza Place	3	47	Coffee Shop	3	85	Vegetarian / Vegan Restaurant	2	18	Mediterranean Restaurant	2	19	
100	27	Murray Hill	16	0	100	11190	0.15	73020.00	121200.00	Japanese Restaurant	4	24	American Restaurant	4	46	Gym / Fitness Center	4	27	Sandwich Place	4	22	Hotel	4	30	Coffee Shop	4	85	Italian Restaurant	3	108	Bar	3	45	Restaurant	3	10	Grocery Store	2	18	
100	4	Chelsea	17	0	100	46760	0.82	56980.00	98100.00	Coffee Shop	10	85	Art Gallery	5	21	Bakery	4	47	American Restaurant	3	46	Italian Restaurant	3	108	Ice Cream Shop	3	30	Cycle Studio	2	13	Cupcake Shop	2	5	Café	2	42	Market	2	3	
100	13	Greenwich Village	18	0	100					Italian Restaurant	12	108	Sushi Restaurant	5	34	Clothing Store	4	21	Café	4	42	American Restaurant	3	46	Gym	3	29	Boutique	3	20	Bubble Tea Shop	3	13	Indian Restaurant	3	17	Chinese Restaurant	3	29	
100	9	East Village	19	0	100	66640	0.65	102630.00	61700.00	Bar	8	45	Ice Cream Shop	5	30	Mexican Restaurant	5	29	Coffee Shop	4	85	Wine Bar	4	25	Cocktail Bar	4	36	Pizza Place	4	47	Korean Restaurant	3	7	Speakeasy	3	9	Vegetarian / Vegan Restaurant	3	18	
88	33	TribeCa	21	0	88	19780	0.46	43030.00	193900.00	Park	5	26	American Restaurant	5	46	Wine Bar	4	27	Italian Restaurant	4	108	Coffee Shop	3	85	Café	3	42	Spa	3	23	Greek Restaurant	3	13	Poke Place	2	3	Playground	2	12	
100	19	Little Italy	22	0	100	10680	0.11	99970.00	85500.00	Bakery	6	47	Café	5	42	Bubble Tea Shop	4	13	Italian Restaurant	4	108	Chinese Restaurant	4	29	Pizza Place	3	47	Sandwich Place	3	22	Cocktail Bar	3	36	Ice Cream Shop	3	30	Mediterranean Restaurant	3	19	
100	30	Soho	23	0	100	10940	0.31	35650.00	121400.00	Italian Restaurant	9	108	Clothing Store	9	21	Coffee Shop	6	85	Boutique	5	20	Bakery	3	47	Shoe Store	3	8	Café	3	42	Mediterranean Restaurant	3	19	French Restaurant	2	28	Sporting Goods Shop	2	8	
100	39	West Village	24	0	100	24620	0.42	58270.00	124200.00	Italian Restaurant	10	108	American Restaurant	6	46	New American Restaurant	5	15	Cocktail Bar	4	36	Wine Bar	4	27	Park	4	26	Jazz Club	3	6	Pizza Place	3	47	Coffee Shop	3	85	Theater	3	6	
49	23	Manhattan Valley	25	0	49					Coffee Shop	3	85	Bar	3	45	Yoga Studio	2	20	Thai Restaurant	2	23	Playground	2	12	Mexican Restaurant	2	29	Pizza Place	2	47	Ethiopian Restaurant	1	1	Café	1	42	Caribbean Restaurant	1	4	
94	12	Gramercy	27	0	94	57300	0.54	106980.00	110300.00	Bar	6	45	Italian Restaurant	5	108	Thai Restaurant	4	23	American Restaurant	4	46	Pizza Place	4	47	Bagel Shop	4	16	Coffee Shop	4	85	Diner	3	13	Mexican Restaurant	3	29	Thrift / Vintage Store	3	3	
89	1	Carnegie Hill	30	0	89	15600	0.15	107010.00	179100.00	Coffee Shop	8	85	Café	4	42	Yoga Studio	3	20	Wine Shop	3	25	Italian Restaurant	3	108	Gym / Fitness Center	3	27	Gym	3	29	French Restaurant	3	28	Pizza Place	3	47	Bookstore	3	16	
100	28	Noho	31	0	100	5610	0.09	60970.00	138900.00	Italian Restaurant	6	108	Hotel	5	30	Art Gallery	4	21	Pizza Place	4	47	Mexican Restaurant	4	29	French Restaurant	3	28	Sandwich Place	3	22	Grocery Store	3	18	Cocktail Bar	3	36	Coffee Shop	3	85	
100	32	Sutton Place	34	0	100	21830	0.17	126740.00	155000.00	Italian Restaurant	5	108	Park	4	26	Furniture / Home Store	4	14	Gym / Fitness Center	4	27	Coffee Shop	4	85	Pizza Place	4	47	Gym	3	29	Chinese Restaurant	2	29	Grocery Store	2	18	Mediterranean Restaurant	2	19	
100	35	Turtle Bay	35	0	100	19840	0.27	72230.00	126500.00	Coffee Shop	5	85	Italian Restaurant	5	108	Sushi Restaurant	4	34	Ramen Restaurant	3	8	Seafood Restaurant	3	15	Japanese Restaurant	3	24	Deli / Bodega	3	13	Park	3	26	Bar	2	45	Turkish Restaurant	2	6	
100	11	Flatiron	38	0	100	26350	0.48	54700.00	129500.00	Italian Restaurant	5	108	New American Restaurant	4	15	Japanese Restaurant	4	24	Gym	3	29	Mediterranean Restaurant	3	19	Furniture / Home Store	3	14	Cycle Studio	3	13	Spa	3	23	Gym / Fitness Center	3	27	American Restaurant	3	46	
					1916	749300	8	90179.66	118676.79																															
45	3	Central Harlem	6	1	45	112500	####	8330.00	46900.00	African Restaurant	3	3	Cosmetics Shop	2	9	French Restaurant	2	13	American Restaurant	2	20	Bar	2	10	Seafood Restaurant	2	5	Chinese Restaurant	2	7	Salon / Barbershop	1	2	Coffee Shop	1	34	Cocktail Bar	1	14	
26	29	Roosevelt Island	11	1	26	11660	0.24	48250.00	92900.00	Deli / Bodega	2	6	Plaza	1	9	Coffee Shop	1	34	Sandwich Place	1	14	Gym / Fitness Center	1	22	Gym	1	21	Dry Cleaner	1	1	Greek Restaurant	1	2	School	1	1	Outdoors & Recreation	1	1	
93	18	Lincoln Square	13	1	93					Plaza	5	9	Italian Restaurant	4	16	Performing Arts Venue	4	6	Concert Hall	4	5	Café	4	16	Theater	4	16	Indie Movie Theater	3	3	Wine Shop	3	11	Gym / Fitness Center	3	22	Bakery	3	12	
100	7	Clinton	14	1	100	30760	0.59	51910.00	85500.00	Theater	7	16	American Restaurant	5	20	Gym / Fitness Center	5	22	Coffee Shop	4	34	Cocktail Bar	4	14	Gym	4	29	Spa	3	11	Sandwich Place	3	14	Hotel	3	26	Italian Restaurant	3	16	
100	24	Midtown	15	1	100	17110	0.70	24350.00	126800.00	Hotel	6	26	Bakery	5	12	Clothing Store	5	10	Coffee Shop	5	34	Theater	4	16	Steakhouse	4	10	Bookstore	3	6	Café	3	16	Sporting Goods Shop	3	5	Sushi Restaurant	3	6	
66	1	Battery Park City	28	1	66	13390	0.22	61810.00	164700.00	Park	6	21	Hotel	5	26	Coffee Shop	4	34	Gym	4	29	Memorial Site	3	4	Shopping Mall	2	2	Food Court	2	5	Clothing Store	2	10	Gourmet Shop	1	6	Boat or Ferry	2	4	
100	10	Financial District	29	1	100	26310	0.53	49500.00	127300.00	Coffee Shop	10	34	Pizza Place	4	13	Park	4	21	Cocktail Bar	4	14	Bar	3	10	Gym	3	29	Juice Bar	3	5	Hotel	3	26	Steakhouse	3	10	Salad Place	3	6	
100	6	Civic Center	32	1	100					Spa	5	11	Gym / Fitness Center	5	22	Coffee Shop	5	34	Hotel	4	26	French Restaurant	4	13	Cocktail Bar	4	14	Yoga Studio	4	5	American Restaurant	3	20	Sushi Restaurant	3	6	Park	3	21	
62	13	Hudson Yards	39	1	62					Hotel	4	26	Italian Restaurant	4	16	Gym / Fitness Center	4	22	American Restaurant	3	20	Thai Restaurant	2	3	Boat or Ferry	2	4	Nightclub	2	3	Park	2	21	Dog Run	2	5	Gym	2	29	
					692	211730	16	13408.75	78938.21																															
22	23	Marble Hill	0	2	22	8130		69300.00	36300.00	Sandwich Place	2	7	Coffee Shop	2	17	Gym	2	6	Discount Store	2	2	Supplement Shop	1	3	Donut Shop	1	5	Seafood Restaurant	1	9	Tennis Stadium	1	1	Pharmacy	1	4	Kids Store	1	2	
85	38	Washington Heights	2	2	85	159320	2.04	78160.00	44800.00	Café	6	21	Bakery	4	12	Mobile Phone Shop	3	3	Grocery Store	3	4	Deli / Bodega	2	12	Coffee Shop	2	17	Spanish Restaurant	2	6	Supermarket	2	4	Supplement Shop	2	3	Tapas Restaurant	2	2	
57	16	Inwood	3	2	57	39070	0.93	42170.00	48900.00	Mexican Restaurant	4	16	Café	3	21	Restaurant	3	6	Lounge	3	6	Frozen Yogurt Shop	2	3	Bakery	2	11	Pizza Place	2	13	Park	2	13	Chinese Restaurant	2	7	Deli / Bodega	2	12	
63	14	Hamilton Heights	4	2	63	47740	0.62	77150.00	48000.00	Pizza Place	6	13	Coffee Shop	4	17	Café	4	21	Mexican Restaurant	3	16	Yoga Studio	2	6	Bakery	2	11	Latin American Restaurant	2	7	Liquor Store	2	5	Park	2	13	Deli / Bodega	2	12	
47	22	Manhattanville	5	2	47	17370	0.27	64230.00	75500.00	Seafood Restaurant	3	9	Coffee Shop	3	17	Deli / Bodega	2	12	Italian Restaurant	2	6	Indian Restaurant	2	16	Indian Restaurant	1	4	Lounge	1	6	Boutique	1	1	Sushi Restaurant	1	6	Supermarket	1	4	
47	20	Lower East Side	20	2	47	84820			44800.00	Chinese Restaurant	4	7	Pharmacy	2	4	Ramen Restaurant	2	4	Bakery	2	11	Café	2	21	Coffee Shop	2	17	Art Gallery	2	2	Japanese Restaurant	2	4	Pizza Place	2	13	Performing Arts Venue	1	1	
81	34	Tudor City	36	2	81	16830	0.17	97540.00	114200.00	Park	5	13	Café	5	21	Mexican Restaurant	5	16	Asian Restaurant	3	3	Deli / Bodega	3	12	Diner	3	7	Coffee Shop	3	17	Seafood Restaurant	2	9	Greek Restaurant	2	2	Gym	2	6	
					402	373280	4	92702.50	50010.86																															
17	31	Stuyvesant Town	37	3	17	16540	0.16	104360.00	96200.00	Park	3	3	Harbor / Marina	1	1	Cocktail Bar	1	1	Baseball Field	1	1	Bar	1	1	Gym / Fitness Center	1	1	Heliport	1	1	Bistro	1	1	Farmers Market	1	1	Boat or Ferry	1	1	
43	28	Morningside Heights	26	4	43	40940	0.60	68240.00	82300.00	Park	4	4	Bookstore	3	3	American Restaurant	3	3	Coffee Shop	3	3	Café	2	2	Deli / Bodega	2	2	Burger Joint	2	2	Ice Cream Shop	1	1	Grocery Store	1	1	Tennis Court	1	1	
100	25	Midtown South	33	5	100	17110	0.70	24350.00	126800.00	Korean Restaurant	18	18	Hotel	6	6	Japanese Restaurant	4	4	Cosmetics Shop	4	4	Dessert Shop	3	3	American Restaurant	3	3	Burger Joint	3	3	Gym / Fitness Center	3	3	Coffee Shop	3	3	Yoga Studio	2	2	
40	8	East Harlem	7	6	40	118860	1.56	76060.00	37500.00	Mexican Restaurant	5	5	Bakery	4																										