

Data Classification for Geographic Visualization

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Data Classification

- **Classed Map** - combining raw data into groups/classes
- **Unclassed Map** - raw data values depicted

Legend (Classed)

Owner Occupied

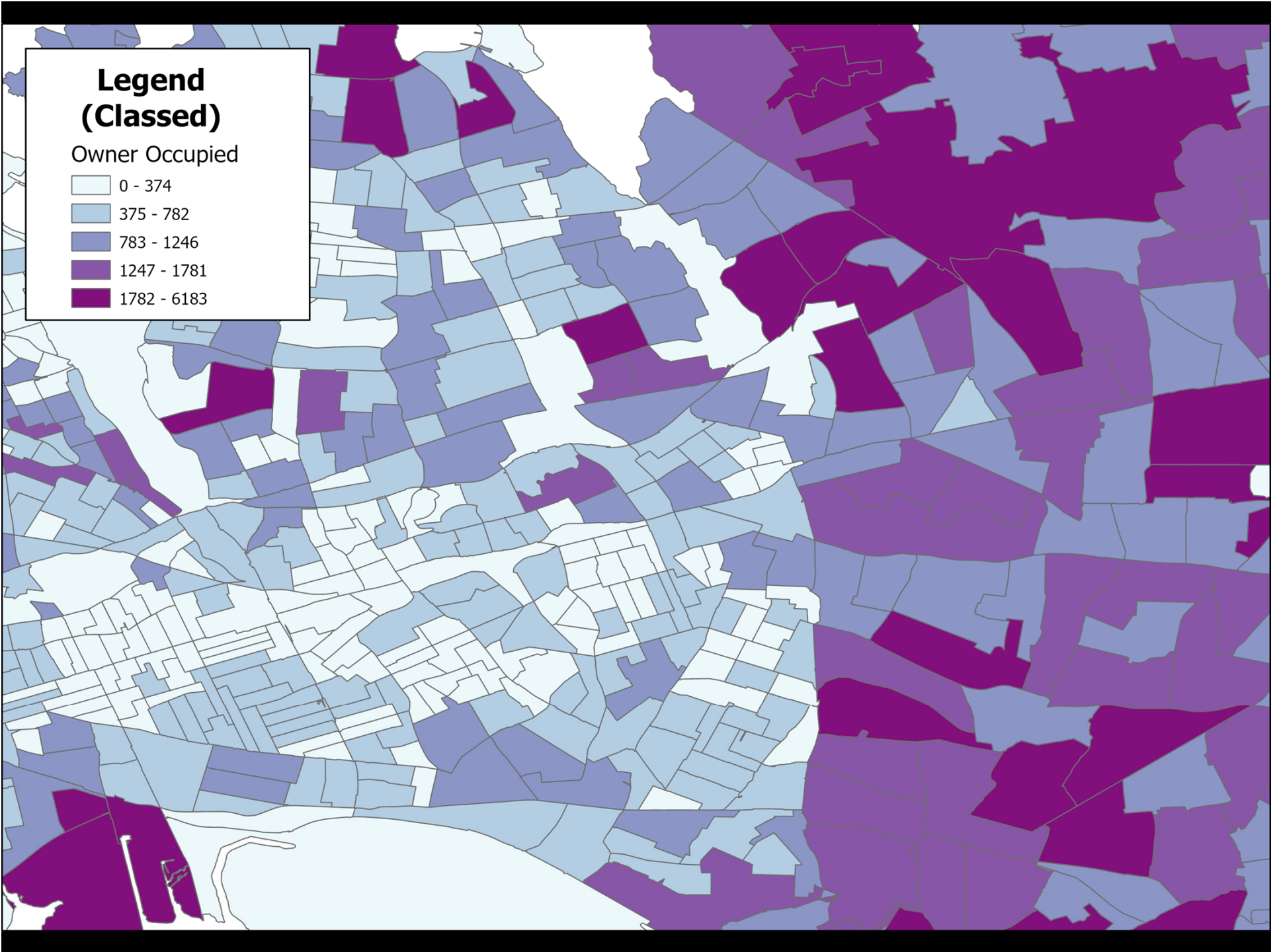
0 - 374

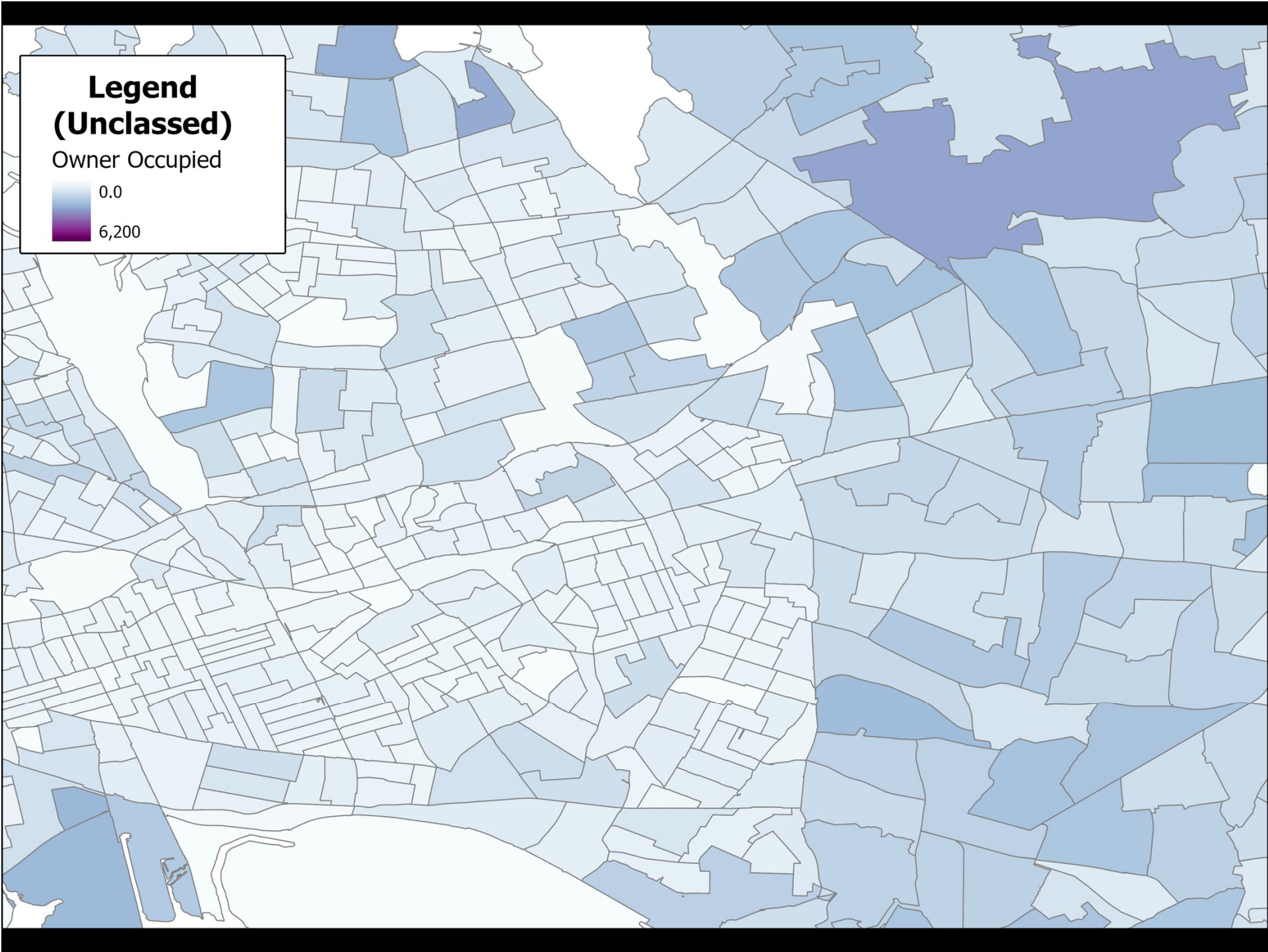
375 - 782

783 - 1246

1247 - 1781

1782 - 6183



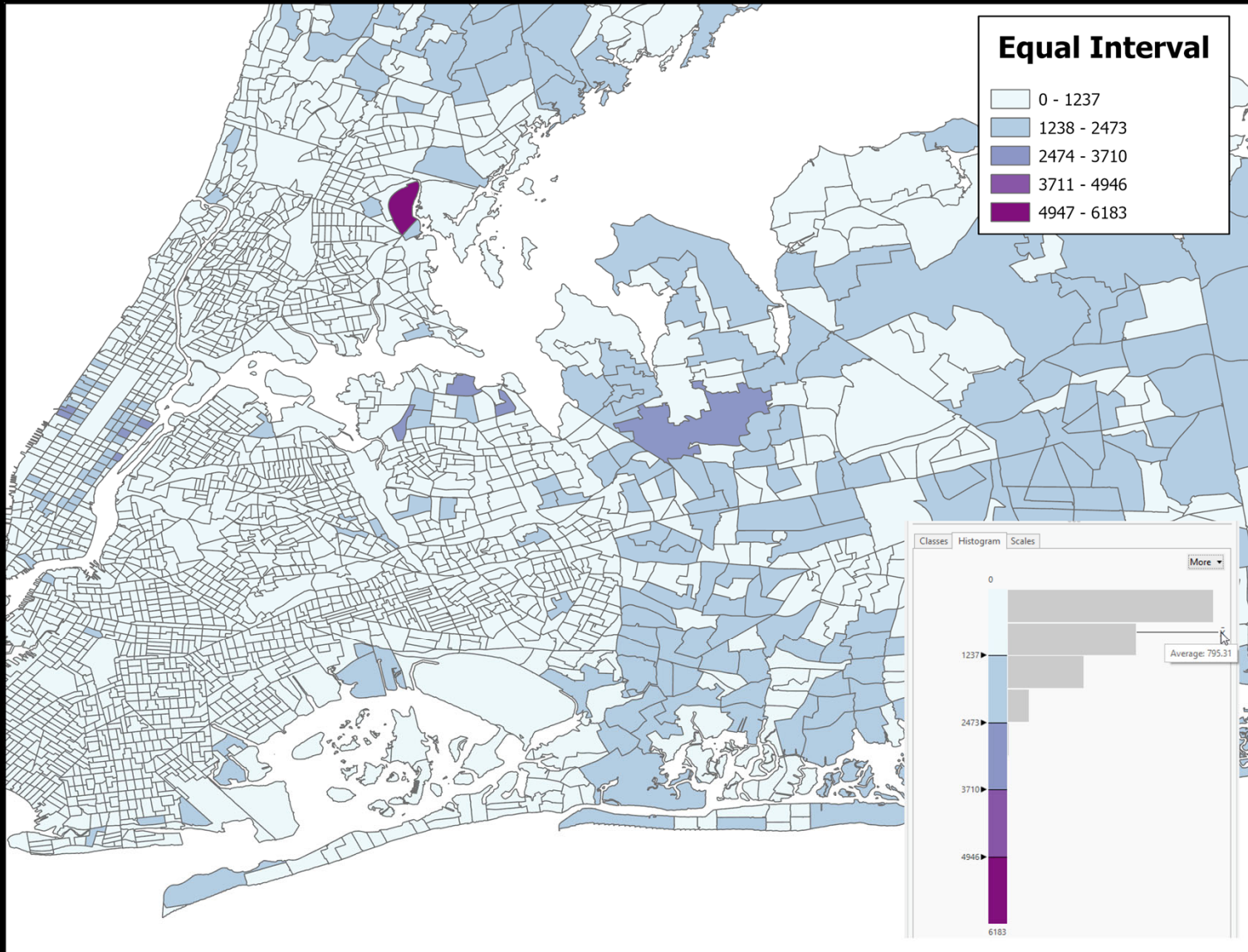


Common Methods of Data Classification

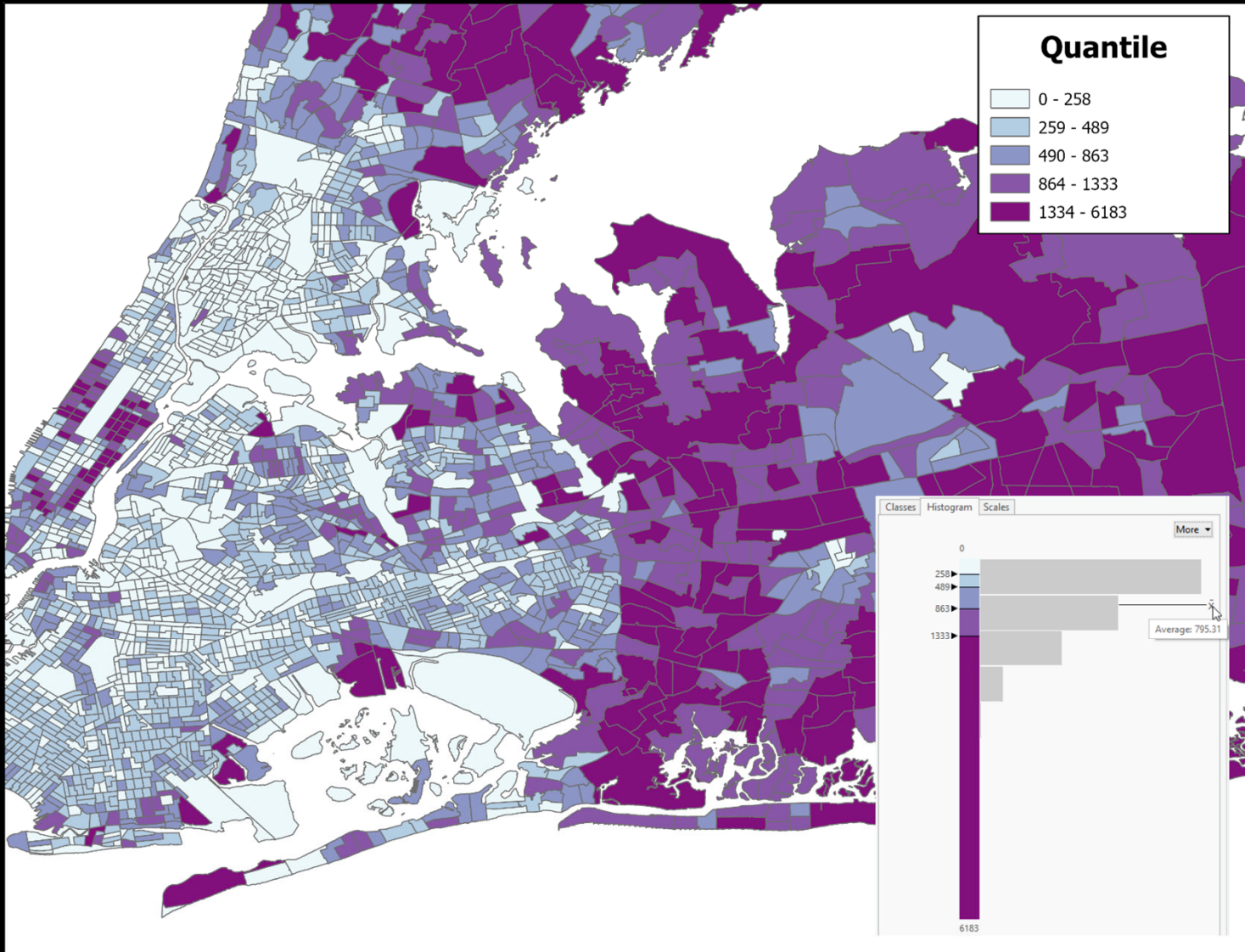
- Equal Intervals
- Quantiles
- Natural Breaks

FID	Shape	TRACT	POP2012	OWNER_OCC
0	Polygon	000100	2039	303
1	Polygon	000200	6081	426
2	Polygon	000300	5929	893
3	Polygon	000401	2274	628
4	Polygon	000403	4417	1164
5	Polygon	000404	5203	12
6	Polygon	000501	3286	375
7	Polygon	000502	3385	284
8	Polygon	000600	3605	174
9	Polygon	000700	3608	399
10	Polygon	000800	2393	151
11	Polygon	001100	1219	34
12	Polygon	001400	3621	405
13	Polygon	001500	4410	279
14	Polygon	001600	4322	613
15	Polygon	001700	3999	772
16	Polygon	001801	6499	2367
17	Polygon	001802	3717	1222
18	Polygon	001901	2666	821
19	Polygon	001902	2571	1036
20	Polygon	002000	5732	1110
21	Polygon	002100	3777	156
22	Polygon	002200	2303	313
23	Polygon	002300	2235	204
24	Polygon	002500	2812	158
25	Polygon	002600	5314	784
26	Polygon	012700	2347	486

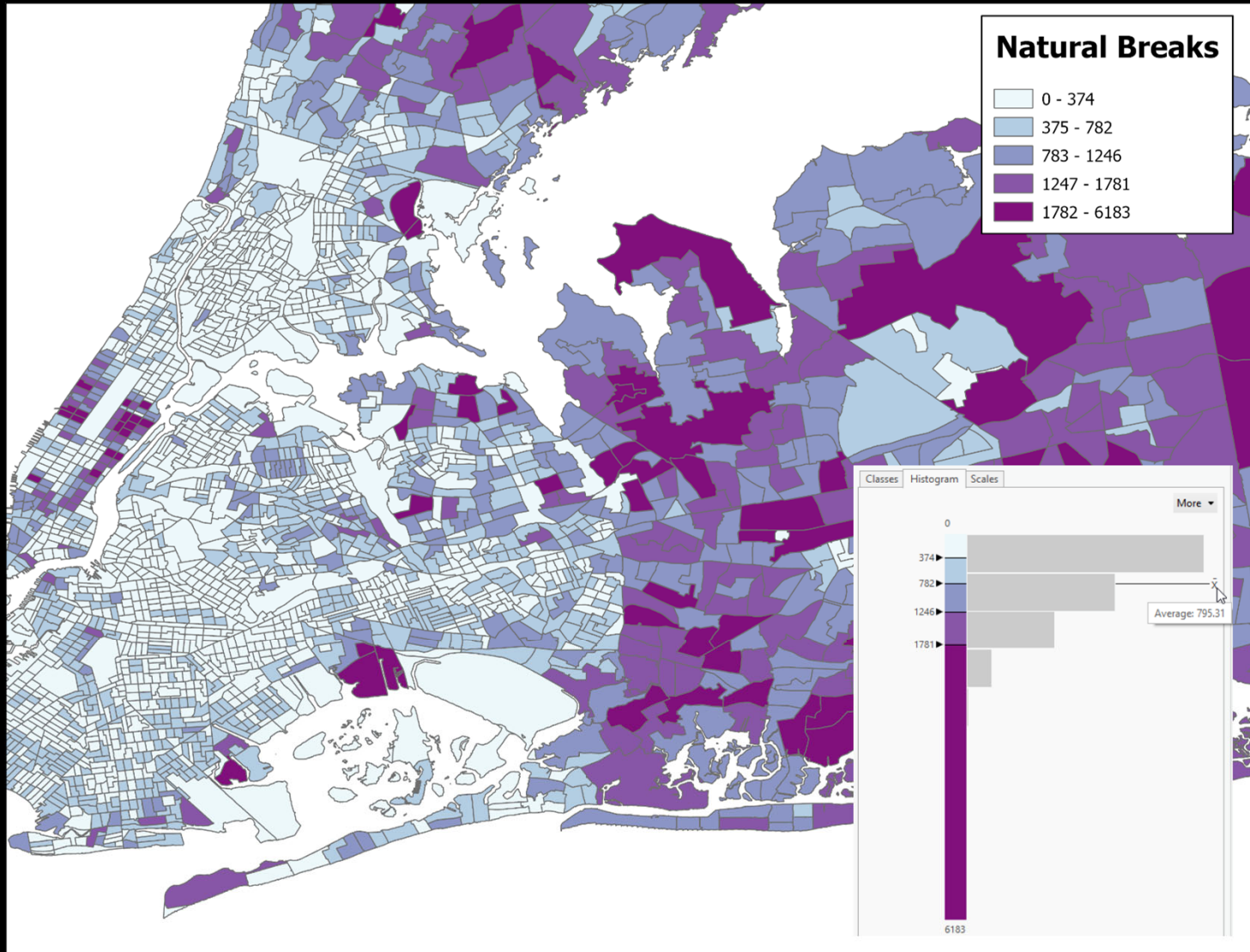
Equal Interval



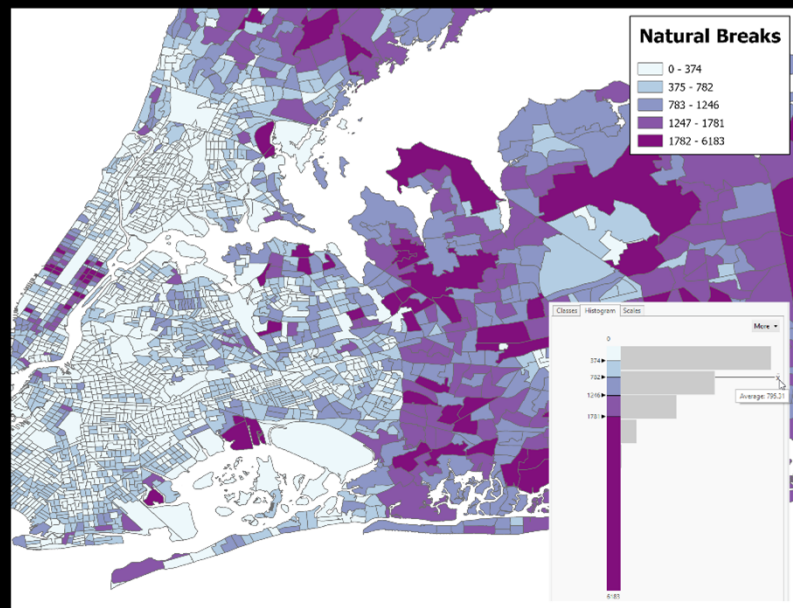
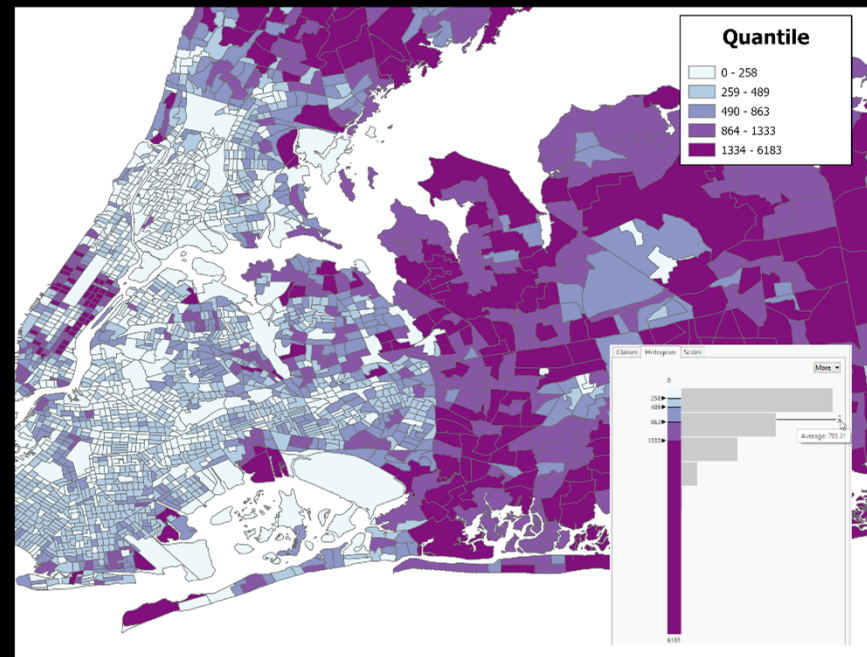
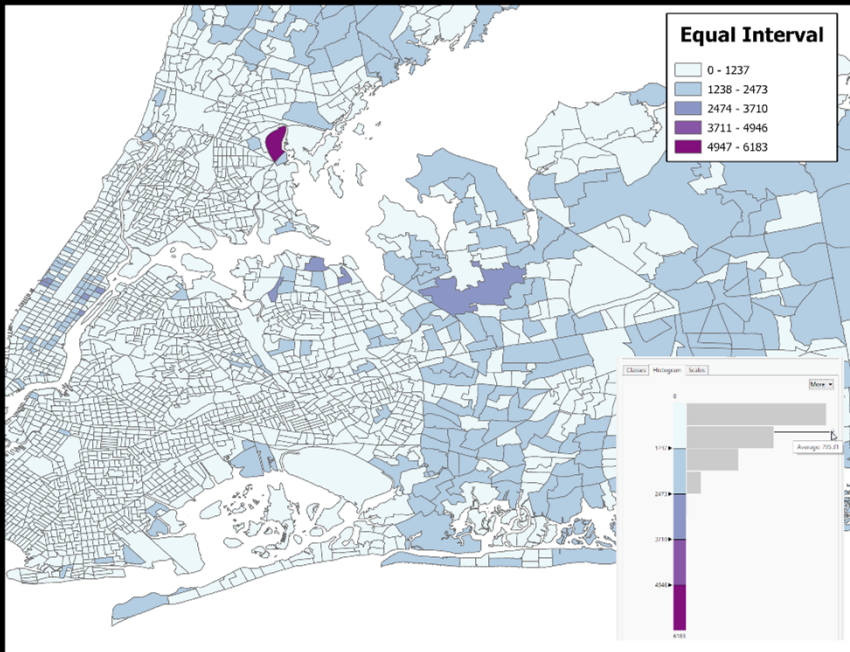
Quantile (percentile)



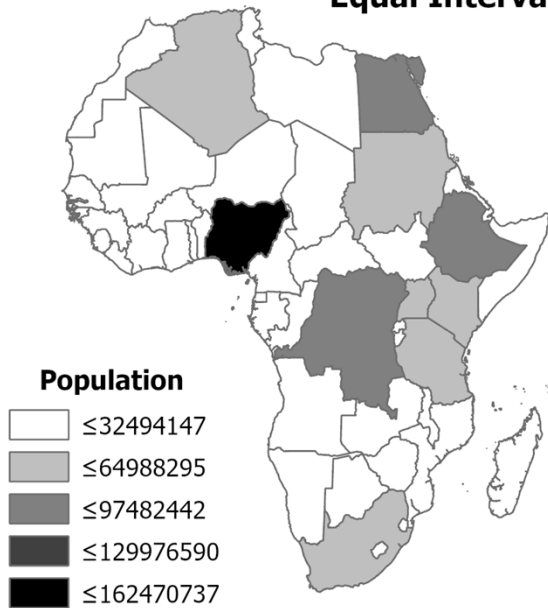
Natural Breaks (Jenks)



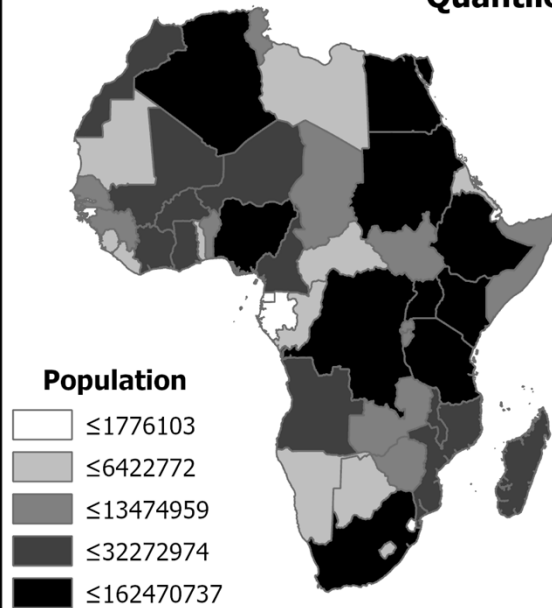
Comparison of Equal Interval, Quantile and Jenks



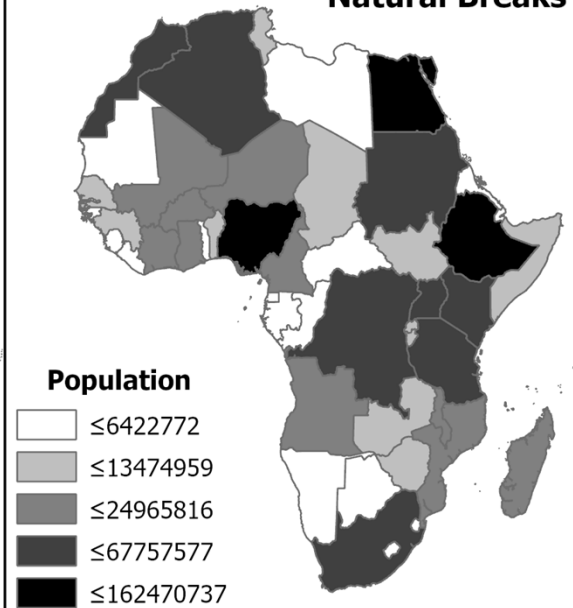
Equal Interval



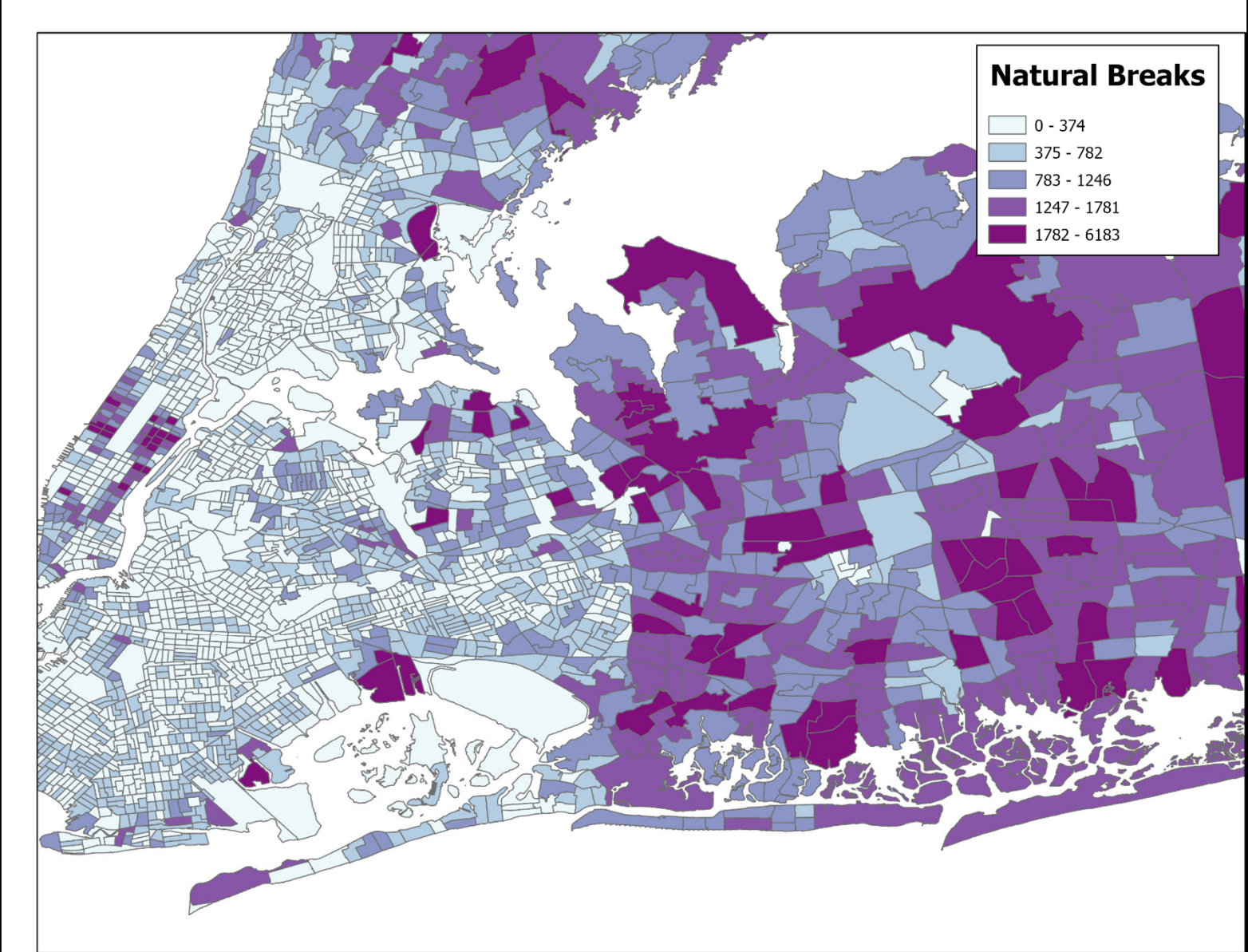
Quantile

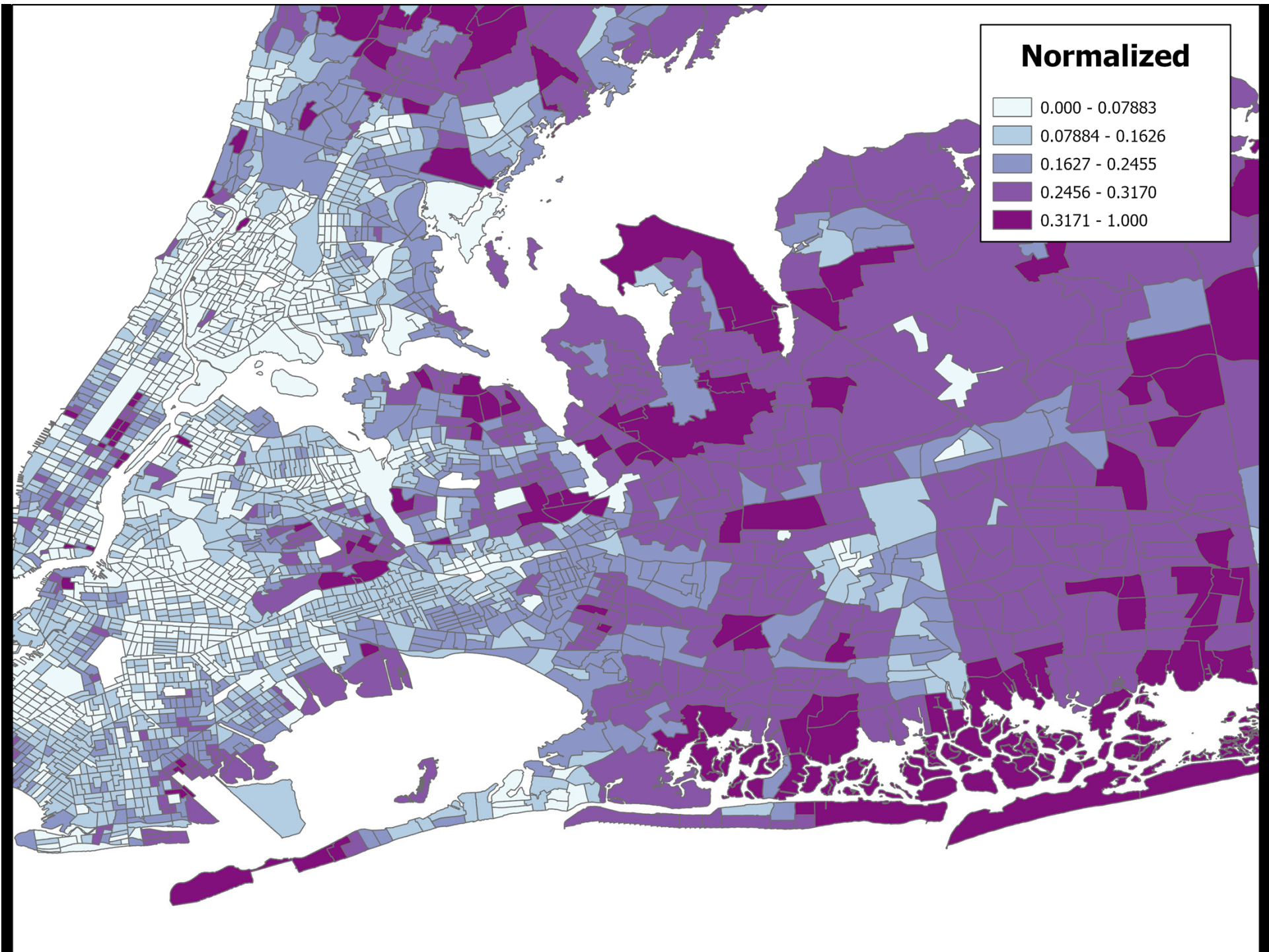


Natural Breaks



Normalize





Summary