

# Impact of Differential Privacy on Neighborhood Level Analysis for NY's Asian American Communities



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# Introduction



## Manhattan Chinatown, NY - Between 2000 and 2010

- The area had seen losses in total population. The decreases in Asian population outpaced the decrease in total population.
- The decline in Asian population can be largely attributed to the loss in the child population, while the senior population remained relatively stable.
- The number of the Asian households also remained relatively stable when compared to the Asian population change.
- Examine potential impact on large minority population.

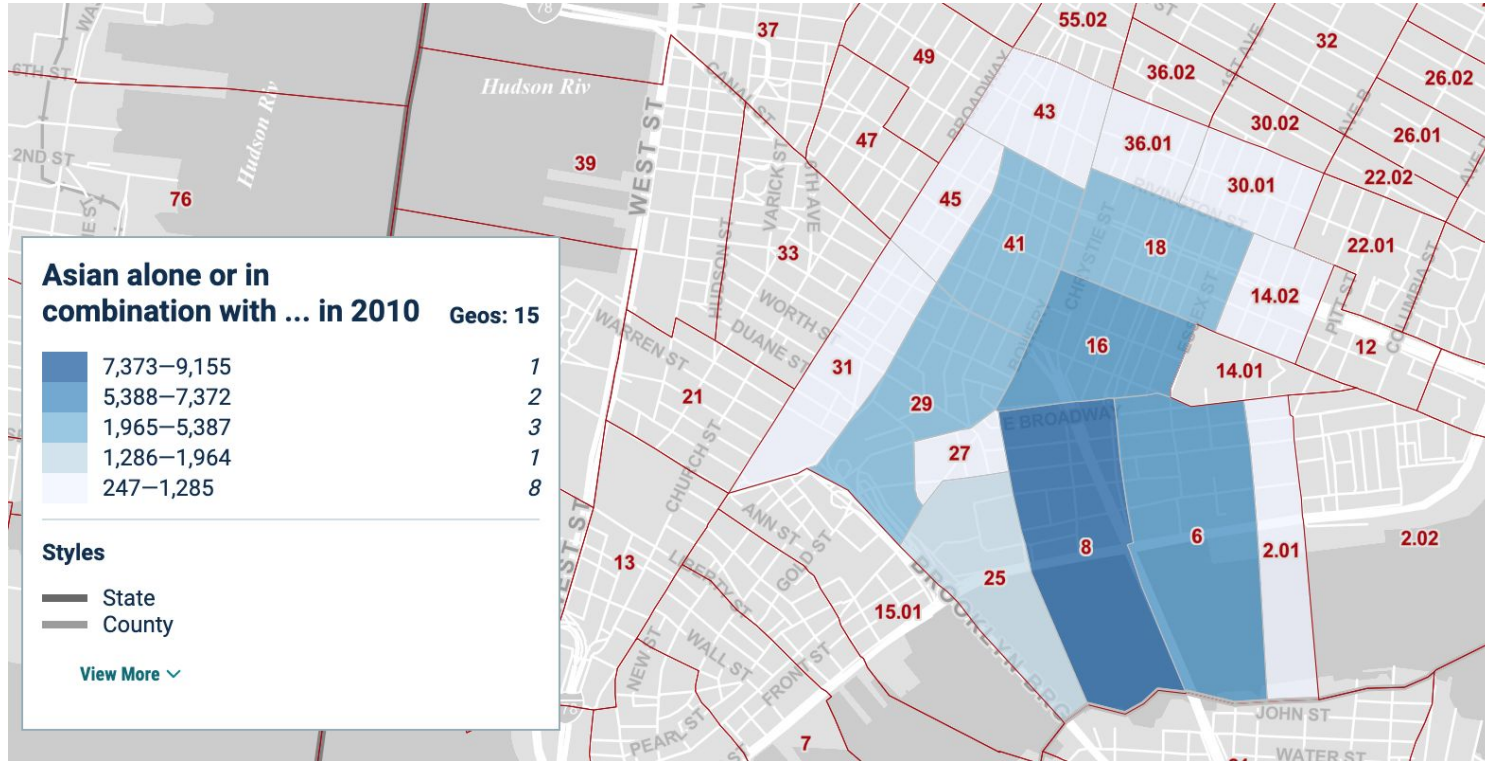
# Introduction



## Buffalo, NY - Between 2000 and 2010

- Total population decreased in Buffalo.
- Due to a sizable number of resettled refugees, some communities in Buffalo had experienced a significant increase in Asian population.
- Examine potential impact on small population with rapid growth analysis.

# Manhattan Chinatown



# Manhattan Chinatown Population Change



	2000 Decennial Census	2010 Decennial Census	2010 DHC Demonstration Data	Percentage change between 2000 and 2010 based on Decennial Census	Percentage change between 2000 and 2010 based on DHC Demonstration Data
Total Population	87,575	80,824	80,827	-8%	-8%
Asian Population	56,531	48,049	48,070	-15%	-15%
Asian Share	65%	59%	59%		

# Manhattan Chinatown Asian Population Change



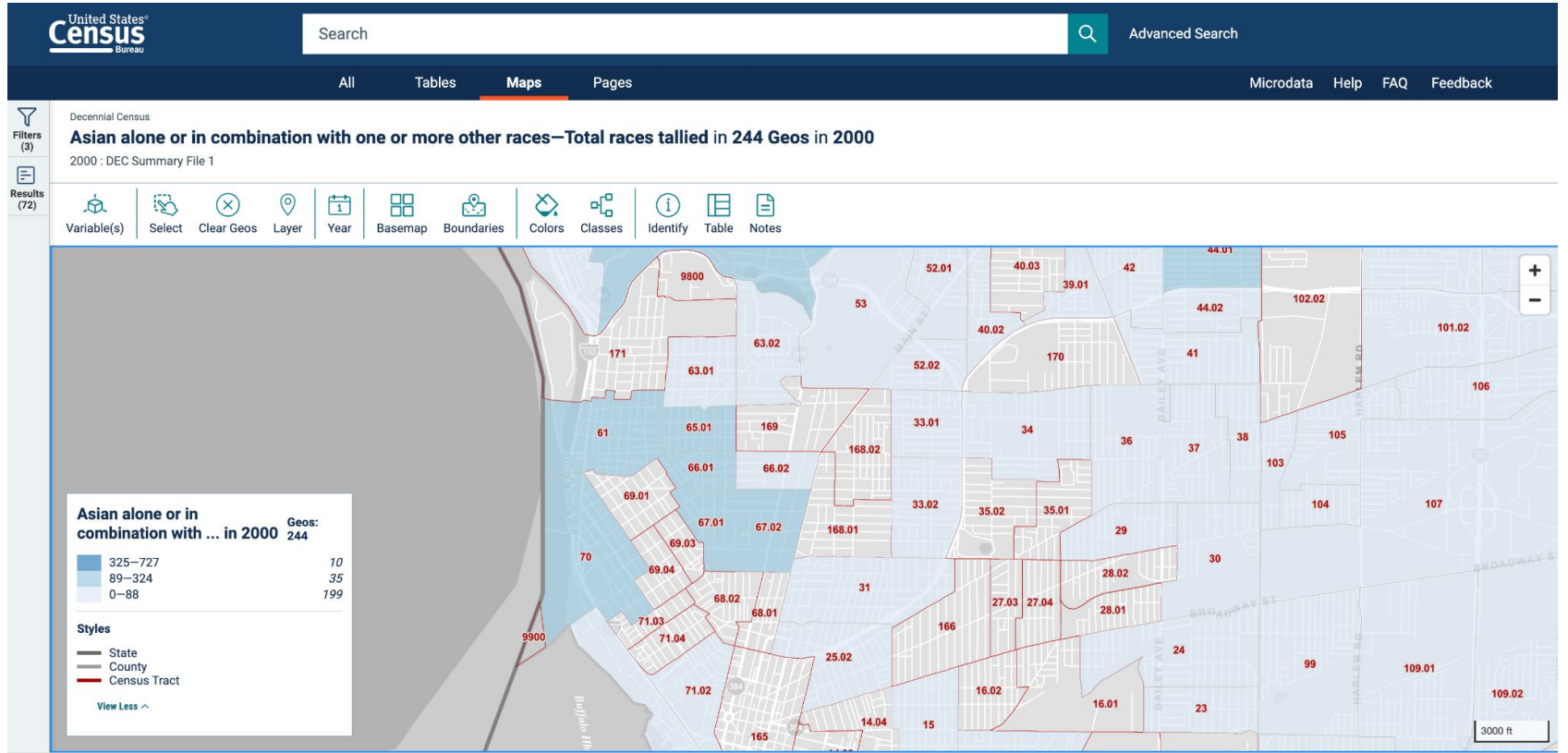
	2000 Decennial Census	2010 Decennial Census	2010 DHC Demonstration Product	Percentage change between 2000 and 2010 based on Decennial Census	Percentage change between 2000 and 2010 based on DHC Demonstration Product
Asian Child Population	9,906	7,071	7,084	-29%	-28%
Child Share of Asian Population	18%	15%	15%		
Asian Senior Population	8,929	9,066	9,104	2%	2%
Senior Share of Asian Population	16%	19%	19%		

# Manhattan Chinatown Asian Household Change

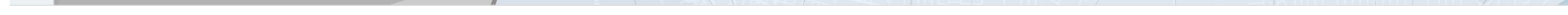


	2000 Decennial Census	2010 Decennial Census	2010 DHC Demonstration Product	Percentage change between 2000 and 2010 based on Decennial Census	Percentage change between 2000 and 2010 based on DHC Demonstration Product
Number of Asian Households	17,459	16,473	16,714	-4%	-6%
Share of Asian Households	57%	52%	51%		

# Buffalo, NY







# Buffalo Population Change: Census Tract 61 and 69



	2000 Decennial Census	2010 Decennial Census	2010 DHC Demonstration Product	Percentage change between 2000 and 2010 based on Decennial Census	Percentage change between 2000 and 2010 based on DHC Demonstration Product
Total Population	13,218	13,369	13,342	1%	1%
Asian Population	528	1,741	1,727	230%	227%
Asian Share	4%	13%	13%		

# Buffalo Asian Population Change: Census Tract 61 and 69



	2000 Decennial Census	2010 Decennial Census	2010 DHC Demonstration Product	Percentage change between 2000 and 2010 based on Decennial Census	Percentage change between 2000 and 2010 based on DHC Demonstration Product
Asian Child Population	150	646	636	331%	324%
Child Share of Asian Population	32%	37%	37%		
Asian Senior Population	25	55	52	120%	108%
Senior Share of Asian Population	5%	3%	3%		

# Buffalo Population Change: Census Tract 27.02



	2000 Decennial Census	2010 Decennial Census	2010 DHC Demonstration Product	Percentage change between 2000 and 2010 based on Decennial Census	Percentage change between 2000 and 2010 based on DHC Demonstration Product
Total Population	3,761	2,512	2,509	-33%	-33%
Asian Population	135	653	664	384%	392%
Asian Share	4%	26%	26%		

# Buffalo Asian Population Change: Census Tract 27.02



	2000 Decennial Census	2010 Decennial Census	2010 DHC Demonstration Product	Percentage change between 2000 and 2010 based on Decennial Census	Percentage change between 2000 and 2010 based on DHC Demonstration Product
Asian Child Population	44	299	299	580%	580%
Child Share of Asian Population	38%	46%	45%		
Asian Senior Population	9	20	15	122%	67%
Senior Share of Asian Population	8%	3%	2%		

# Recommendations



- More transparent processes of data release and education
- Make data more accessible and more user-friendly
- Guidance on how to interpret data, especially on areas with low population count

# Thank you



## Contact Information

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