

Income Quintile Formats

May 23, 2012

How are Income Quintiles Created?

- Use Population file for a selected year
- Remove unrankable postal codes (PCH, CFS, Prisons etc.)
- Attach average private household income value to population via the PCCF.
- Rank the population by Urban/Rural and by average private house income.
- Form 20% population groups.

Why is a postal code not ranked?

- >90% of the population of the postal code is in a PCH.
- Postal code is associated with an institution (public trustee, prison, CFS etc.).
- Postal code is not on the PCCF.
- Postal code is on the PCCF but average household income is suppressed.
- Postal code does not appear on the population file.

Comparison of Income Quintile Not Found Group Population 2006 vs 2010

	2006		2010	
Reason for Unranked Postal code	Frequency	Percent	Frequency	Percent
Postal code not on Pccf/Pop	1142	11.52	10472	53.32
Unrankable postal codes (prisons/public trustee etc.)	4207	42.43	2949	15.01
PCH Resident	4013	40.48	3738	19.03
Suppressed Income	552	5.57	2482	12.64
Total Not Found	9914		19641	
Percent of Total Pop NF		0.84		1.58

By 2010 a much larger of the unrankable population is made up of postal codes not present on the PCCF (in 2006 n=1142 11.52% vs. 2010 n=10472 53.32%) This is due to (at least) 2 reasons:

- The 2010 rank is based on a 2008 PCCF which will not have new postal codes.
- The 2010 rank is based on a 2008 population which may not include postal codes on the PCCF but which were not found in the population distribution for 2008.

How to fix this problem.

- Until the 2011 census file is available I am stuck using the 2006 census file.
- Create income quintile formats for 2009 and 2010 (and maybe 2011 depending how long it takes for the 2011 census to come out).
- Use the newest PCCF file available so that new postal codes can be mapped to a 2006 DA.
- Use year-specific population so that new postal codes will be ranked.

New Income Quintile Formats

- CHIQ08_2006F - year=2008*
- CHIQ09_2006F - year=2009
- CHIQ10_2006F - year=2010

* Note I created a new income quintile for 2008 to remove several postal codes identified by Wendy and Joykrishna as CFS postal codes. These postal codes have been moved into the income quintile not found group.

Income Quintile Distribution for 2009, 2010

Updated	2009		2010	
chquint	Frequency	Percent	Frequency	Percent
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NF	12193	1.00	12537	1.01
R1	94246	7.71	96246	7.75
R2	95120	7.78	95774	7.71
R3	97295	7.95	97147	7.82
R4	94914	7.76	96765	7.79
R5	94671	7.74	96060	7.73
U1	147225	12.04	150098	12.08
U2	146563	11.98	149864	12.06
U3	147030	12.02	149365	12.02
U4	146645	11.99	149026	12.00
U5	147208	12.04	149432	12.03