**LEP\*Poverty Cheat Sheet**

3/10/16

1. Discussion of ACS and PUMS data
	1. Census broken up into two components:
		1. Basic demographics
		2. Long-form, now the American Community Survey
2. Accessing LEP information
	1. To find just LEP information:
		1. Use American Fact Finder: [www.factfinder.census.gov](http://www.factfinder.census.gov)
			1. *Advanced Search 🡪 Show Me All 🡪 Topics 🡪 English Usage & Language Spoken at Home 🡪 B16002*
3. Accessing LEP \* Poverty information
	1. Statistical interactions make it necessary to analyze multiple datasets together instead simply multiplying their percentages
	2. To find both LEP and Poverty information:
		1. Use Data Ferrett: [www.dataferrett.census.gov](http://www.dataferrett.census.gov)
			1. *Launch DataFerrett 🡪 Sign In 🡪 Get Data Now 🡪 5-Year PUMS Estimates 🡪 Search Variables 🡪 Add Variables to Data Basket 🡪 Download*
			2. Variables: Geography (ex. State), LANX, LNGI, ENG, HINCP, ADJINC, NP
4. Using Excel to manipulate the LEP \* Poverty
	1. Federal Poverty Thresholds: [www.census.gov/hhes/www/poverty/data/threshld](http://www.census.gov/hhes/www/poverty/data/threshld)
		1. Use the thresholds from 2014, “thresh2014”
	2. To select and copy a formula down a column, select column rows 2 to the end (21694 in the example dataset), then press Control+D.
	3. Sums (of Fam1PV1 thru Fam5\_PlusPV2) should total 440204 in example dataset.
	4. Total of PV1 = 69901, PV2 = 370303 in example dataset.
5. Summarizing LEP \* Poverty information
	1. Read percentages in table across, except for right-hand column top to bottom.

**Formulas for example spreadsheet:**

**PV1**

=IF(AND(E2=1,K2<=12071), E2, 0)

=IF(AND(E2=2,K2<=15379), E2, 0)

=IF(AND(E2=3,K2<=18850), E2, 0)

=IF(AND(E2=4,K2<=24230), E2, 0)

=IF(AND(E2=5,K2<=28695), E2, 0)

=IF(AND(E2=6,K2<=32473), E2, 0)

=IF(AND(E2=7,K2<=36927), E2, 0)

=IF(AND(E2=8,K2<=40968), E2, 0)

=IF(AND(E2>=9,K2<=49021), E2, 0)

**PV2**

=IF(AND(E2=1,K2>12071), E2, 0)

=IF(AND(E2=2,K2>15379), E2, 0)

=IF(AND(E2=3,K2>18850), E2, 0)

=IF(AND(E2=4,K2>24230), E2, 0)

=IF(AND(E2=5,K2>28695), E2, 0)

=IF(AND(E2=6,K2>32473), E2, 0)

=IF(AND(E2=7,K2>36927), E2, 0)

=IF(AND(E2=8,K2>40968), E2, 0)

=IF(AND(E2>=9,K2>49021), E2, 0)

**Fam\_5Plus Collapsing:**

* Fam5\_PlusPV1=U2+W2+Y2+AA2+AC2
* Fam5\_PlusPV2=V2+X2+Z2+AB2+AD2

**LEP and non-LEP:**

* LEP: =IF (AND(G2=1, OR(F2=2, F2=3, F2=4)), E2, 0)
* nLEP: =IF (OR(F2=2,F2=1), E2, 0)

**LEP\*Poverty cross tabulations:**

* LEP\*PV1: =IF(AND(AG2>0, OR(M2>0, O2>0, Q2>0, S2>0, AE2>0)), M2+O2+Q2+S2+AE2, 0)
* LEP\*PV2: =IF(AND(AG2>0, OR(N2>0, P2>0, R2>0, T2>0, AF2>0)), N2+P2+R2+T2+AF2, 0)
* nLEP\*PV1: =IF(AND(AH2>0, OR(M2>0, O2>0, Q2>0, S2>0, AE2>0)), M2+O2+Q2+S2+AE2, 0)
* nLEP\*PV2: =IF(AND(AH2>0, OR(N2>0, P2>0, R2>0, T2>0, AF2>0)), N2+P2+R2+T2+AF2, 0)