Project 2: Generating annualized sample means by number of children in the CU using the Interview FMLI and MEMI files

Project 2

What if you want to know how the number of children within the household affects expenditures on education? We can use the MEMI file to add information to our dataset

In this project you will:

- Learn how to navigate the MEMI file
- How CE files fit together.

Project 2 Steps

1. Concatenate 4 quarterly MEMI (MEMI161X – MEMI164) files to obtain collection year of data
2. Create summary identifier at the household level to determine groupings for the number of children(see next page) using CU_CODE =3
3. Merge ("Join") FMLI file with MEMI file using NEWID to link
4. Means: Calculate means using new summary identifiers
5. Standard Error: Calculate standard error for each of the groups
6. Percent reporting: Create an indicator for CUs that had expenditures > 0, calculate mean of the indicator to determine the percent that reported for each group

Project 2 details

Groupings by number of children using MEMI variable AGE:

0 – 0 children in the CU

1 – 1 child in the CU

2 – 2 children in the CU

3 – 3 children in the CU

4 – 4 or more children in the CU

Project 2 Results

Count	Number of Children	Education Expenditure Mean	Education Expenditure Standard Error	Education Expenditure Percent Reporting
15,140	0 Children	$876.63	$64.10	7.97%
4,268	1 Child	$1,650.97	$159.53	18.0%
3,181	2 Children	$2,008.10	$203.46	27.3%
1,298	3 Children	$1,687.92	$263.84	28.0%
592	4 or more Children	$921.32	$147.33	24.7%