Project 5: Examining other information about the education expenditures households make

Project 5

What if you want to know what kind of school or facility the expense was made toward and whether the expense was for someone inside or outside the CU? We can use the EDA file to get that information.

In this project you will:

- Learn more about the structure of one of the EXPN files
- See an example of non-expenditure information associated with an expenditure category

Using EXPN files

- In contrast to other Interview data files, EXPN files contain data from all 5 quarters of interviews in each file.

- Five variables are common to all EXPN files: QYEAR, NEWID, SEQNO, ALCNO and REC_ORIG.

Project 5 Steps

1. Read in EDA files and subset for education expenses reported for interviews conducted in 2017
2. Remove records with QYEAR = 20181
3. Calculate one-way frequency count based on the school or facility the expense was made toward (EDSCHL_A)
4. Calculate two-way frequency count based on the school or facility the expense was made toward and if the expense was made for someone inside or outside the CU (EDUCGFTC)
5. Calculate two-way frequency count based on the type of expense (EDUC_AY) and the school or facility the expense was made toward

Using EXPN files

- QYEAR represents the quarter and year of the interview from which the record was derived.

- The format for QYEAR is:
  - 20171 2017, 1st quarter
  - 20172 2017, 2nd quarter
  - 20173 2017, 3rd quarter
  - 20174 2017, 4th quarter
  - 20181 2018, 1st quarter

Project 5 results

Count of expenditures by school type

SCHOOL	Frequency	Percent	Cumulative Frequency	Cumulative Percent
Not specified	4,764	54.11%	4,764	54.11%
College or university	2,392	27.17%	7,156	81.28%
Elementary through high school	1,318	14.97%	8,474	96.25%
Child day care center	28	0.32%	8,502	96.57%
Nursery school or preschool	60	0.68%	8,562	97.25%
Vocational or technical school	97	1.10%	8,659	98.35%
Other school	145	1.65%	8,804	100.00%

Project 5 results

Count of expenditures by school type and recipient tenure

	Person inside the CU		Person outside the CU	
SCHOOL	Count	Frequency	Count	Frequency
Not specified	4,396	49.93%	368	4.18%
College or university	2,011	22.84%	381	4.33%
Elementary through high school	1,242	14.11%	76	0.86%
Child day care center	26	0.30%	2	0.02%
Nursery school or preschool	50	0.57%	10	0.11%
Vocational or technical school	94	1.07%	3	0.03%
Other school	144	1.64%	1	0.01%

Project 5 results

Count of expenditures by expense category and school type

	School Type					
Expenditure Type	**Elementary through high school**	**Other school**	**College or university**	**Child day care center**	**Nursery school or preschool**	**Vocational or technical school**
Books/supplies	847	65	918	13	27	22
Tuition	439	76	1,318	14	32	73
Combined expense	25	1	149	1	1	2
Recreational lessons	4	3	.	.	.	.
Nursery sch/day care	2	.	.	.	.	.
Test prep./tutoring	1	.	.	.	.	.
Housing	.	.	3	.	.	.
Food or board	.	.	4	.	.	.

*No data reported for the "private school bus" or "other expenses" categories.