

Computing Summary Variables from the Consumer Expenditure Diary Survey Microdata Files



Using the Diary Files:

- Goal: To add oranges and other citrus fruits to obtain expenditures for “all citrus.”
- Files to use: EXPD141
- UCCs to use:
 - ▶ “110310” (Oranges)
 - ▶ “110510” (Citrus fruits, excluding oranges)
 - ▶ BONUS: “110110” (Apples, to add apples and oranges)

RESULTS:

The MEANS Procedure

Variable	N	Mean	Std Error	Minimum	Maximum
TYPE	1198	0	0	0	0
FREQ	1198	1.8472454	0.0335596	1.0000000	10.0000000
Apples	606	4.5208818	0.1333652	0.4100000	35.0000000
Oranges	454	5.0033441	0.1778181	0.5000000	40.0000000
Other_Citrus	676	3.7463625	0.1214726	0.2940400	29.0564400
All_Citrus	943	5.0944425	0.1441987	0.2940400	49.3568600
Apples_and_Oranges	858	5.8405275	0.1649708	0.5000000	75.0000000

Summary:

1,198 consumer units reported purchasing one of these fruits.

- **606 purchased apples**
- **454 purchased oranges**
- **676 purchased other citrus.**

Total fruit purchases: 1,736.

Conclusion:

Since $1,736 > 1,198$, some consumer units purchased more than one type (e.g., apples and oranges)