

Part 1: Month-to-Month Linking

1. Can the 2015 Education supplement be linked to any ASEC supplement? _____
2. What topical supplements can be linked to the 2015 Education supplement?

3. What month contains the 2015 Veterans supplement? _____ The 2015 Volunteer supplement? _____
4. What fraction of the respondents in the month containing the 2015 Veterans supplement should link to the month containing the 2015 Volunteer supplement? _____

Now let's look at the data. Make an extract that includes the months in 2015 containing the Veteran and Volunteer supplements and CPSIDP, MISH, AGE, SEX, and RACE. Link people who appear in both of these months using CPSIDP.

5. What fraction of the respondents in August 2015 actually link to September 2015?

6. For respondents appearing in both months, what are MISH values in August?
_____ How about in September? _____
7. Create two variables that report the value for an individual's MISH in August and September, respectively. Cross tabulate these two variables and fill in Table 1 below.

Table 1

		September (Volunteer)								
		MISH	1	2	3	4	5	6	7	8
August (Veterans)	1									
	2									
	3									
	4									
	5									
	6									
	7									
	8									

8. What happened to the 1/4 of respondents who were in the August and September data but did not link? Why do they fail to link across these adjacent months?



Part 2: Full Panel Linking

9. As with a month-to-month linked file, a fully linked CPS panel will be smaller than a single-month cross-sectional sample. This full panel will be approximately what fraction of a cross-sectional CPS sample? _____
10. Create a full panel for those entering the CPS in August 2015. What months will you include in your extract? *Be sure to include the variables CPSIDP, MISH, AGE, SEX, and RACE.*

11. How many people begin the rotation pattern in August of 2015? _____
12. How many of those entering the survey in August of 2015 are still in the survey in the last month of participation in CPS? _____



Part 1: Month-to-Month Linking

1. Can the 2015 Education supplement be linked to any ASEC supplement? **No**
2. What topical supplements can be linked to the 2015 Education supplement?
2014 Tobacco Use, Veterans, Education, Voter, and Food Security supplements; 2015 Computer and Internet Use, Veterans, Volunteer, and Food Security supplements; 2016 Veterans, Education, Voter, and Food Security supplements.
3. What month contains the 2015 Veterans supplement? **August** The 2015 Volunteer supplement? **September**
4. What fraction of the respondents in the month containing the 2015 Veterans supplement should link to the month containing the 2015 Volunteer supplement? **¾ or 75%**
5. What fraction of the respondents in August 2015 actually link to September 2015?
~70.5%
6. For respondents appearing in both months, what are MISH values in August? **1, 2, 3,5,6,7.** How about in September? **2,3,4, 6, 7,8**
7. Create two variables that report the value for an individual’s MISH in August and September, respectively. Cross tabulate these two variables and fill in Table 1 below.

Table 1

		September (Volunteer)								
		MISH	1	2	3	4	5	6	7	8
August (Veterans)	1	0	14,838	0	0	0	0	0	0	0
	2	0	0	15,375	0	0	0	0	0	0
	3	0	0	0	15,432	0	0	0	0	0
	4	0	0	0	0	0	0	0	0	0
	5	0	0	0	0	0	15,105	0	0	0
	6	0	0	0	0	0	0	15,587	0	0
	7	0	0	0	0	0	0	0	15,276	0
	8	0	0	0	0	0	0	0	0	0

8. What happened to the other ¼ of respondents who were in the August and September data but do not link? Why do they fail to link across these adjacent months?
Those respondents in MIS 4 in the Veterans supplement (August) begin the 8-month break in September and those in MIS 8 in the Veterans supplement exit the CPS forever in September. These respondents are replaced in the Volunteer supplement by a new cohort entering the CPS for the first time (MIS 1) and another re-entering the CPS after their 8-month break (MIS 5).



Part 2: Full Panel Linking

9. As with a month-to-month linked file, a fully linked CPS panel will be smaller than a single-month cross-sectional sample. This full panel will be approximately what fraction of a cross-sectional CPS sample? 1/8
10. Create a full panel for those entering the CPS in August 2015. What months will you include in your extract? *Be sure to include the variables CPSIDP, MISH, AGE, SEX, and RACE.* August-November 2015 and August-November 2016
11. How many people begin the rotation pattern in August of 2015? 15,891
12. How many of those entering the survey in August of 2015 are still in the survey in the last month of participation in the CPS? 11,694

