Table 1: ECHO.VS Data Set

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| USUBJID | VSSEQ | VSTESTCD | VSSTRESN | VSSTRESU | VSBLFL | VISITNUM | VISIT | VSDTC | Base | Change |
| 011-001 | 13 | HR | 64 | BEATS/MIN |  | -1 | Screening | 2015-03-21 |  |  |
| 011-001 | 14 | HR | 60 | BEATS/MIN | Y | 1 | Week 0 | 2015-04-08 | 60 |  |
| 011-001 | 15 | HR | 60 | BEATS/MIN |  | 2 | Week 8 | 2015-06-03 | 60 |  |
| 011-001 | 16 | HR | 62 | BEATS/MIN |  | 3 | Week 16 | 2015-07-29 | 60 |  |
| 011-001 | 17 | HR | 55 | BEATS/MIN |  | 4 | Week 24 | 2015-09-23 | 60 |  |
| 011-001 | 18 | HR | 59 | BEATS/MIN |  | 5 | Week 32 | 2015-11-18 | 60 |  |
| 011-002 | 13 | HR | 63 | BEATS/MIN |  | -1 | Screening | 2015-07-29 |  |  |
| 011-002 | 14 | HR | 63 | BEATS/MIN | Y | 1 | Week 0 | 2015-08-12 |  |  |
| 011-002 | 15 | HR | 52 | BEATS/MIN |  | 2 | Week 8 | 2015-10-07 |  |  |
| 011-002 | 16 | HR | 62 | BEATS/MIN |  | 3 | Week 16 | 2015-12-02 |  |  |
| 011-002 | 17 | HR | 54 | BEATS/MIN |  | 4 | Week 24 | 2016-01-27 |  |  |
| 011-002 | 18 | HR | 61 | BEATS/MIN |  | 5 | Week 32 | 2016-03-23 |  |  |

**Question**: How can we compute a person’s change from baseline at 32 weeks?

**Think**: How do I get the Week 0 measurement and the Week 32 measurement on the same observation! Also, remember to defensively program for missing values (which you WILL have on your midterm and final)

Retain the value of “Base”, check for VSBLFL = Y, calculate change between Week 32 and Week 0

Sort by Visit

Take difference between Base and VSSTRESN at Week 32, and use like, last.Visit to only get the last row

PROC Transpose

-Probably the most straightforward way to get the data from each visit onto one observation