# SAS Assignment 2

## Merging SAS Datasets for Analysis

Obtaining additional data for file merging:

1. Read in Data File from Assignment 1
2. Read in SECTION D data from 2012 and 2014.
3. Obtain item data for depressive symptoms in 2012 and 2014

* Note: this is an 8-item CES-D scale (Center for Epidemiological Studies of Depression; developed by Ron Kessler)

1. Recode items as needed and calculate a depressive symptoms scale score for each wave (2012, 2014) as a count of the total number of depressive symptoms
2. Run PROC statements to check accuracy of depressive symptoms scale construction
3. Read in 2014 SECTION C data and obtain the overall self-rated health variable (C001)
4. Check and recode as needed so higher values = better health
5. Read in 2012 PSYCHOSOCIAL data from the “leave-behind questionnaire”
6. Identify variables comprising a scale you’d like to analyze (see the User Guide and codebook for details)
7. Compute the scale score for this scale you chose, reverse coding as necessary
   1. **Scale = Self-Control/Impulsiveness scale**
8. Report the internal consistency reliability (alpha) for this scale.
   1. **α at 2012 = 0.60**
9. Identify current work status using data from 2012 and 2014 in section J
10. Create a dichomotous variable for working / not working in 2012, and also for 2014
11. Combine the following variables into a single dataset and save as a permanent SAS dataset:

* Demographic variables from Assignment 1
* Survey “tracking” variables from Assignment 1
* Item and scale level data for depressive symptoms in 2012 and 2014
* Self-rated health in 2014
* Item and scale level data for at least one psychosocial scale
* Work status in 2012, 2014
* Limit dataset to ONLY those respondents who participated in the 2012 or 2014 waves
* Exclude irrelevant variables from your dataset

1. Run PROC CONTENTs and report the number of observations and number of variables in your resulting dataset.
   1. **Observations = 21,891**
   2. **Variables = 62**

Assignment 3 (on 10/26): Involves *analyzing* the data from the file you constructed…

HRS Codebooks:

2012:

<http://hrsonline.isr.umich.edu/modules/meta/2012/core/codebook/h12_00.html>

* Section D
* Section LB
* Section J

2014:

<http://hrsonline.isr.umich.edu/modules/meta/2014/core/codebook/h14_00.html>

* Section C
* Section D
* Section J

User Guide for Psychosocial / Leave-Behind Questionnaire:

T:\Common\PSY792F\Documentation\HRS 2006-2016 SAQ Documentation\_07.06.17.pdf

User Guide for Affective Functioning Measures (including the CES-D scale)