MIDUS
Midlife in the United States
A National Study of Health & Well-Being

README
for
MIDUS Milwaukee Refresher 1 (MKER1) Sample (Survey)
O*NET 2012 (17.0) Database Linkage

This README provides an overview of the linkage performed between the baseline MIDUS Milwaukee Refresher Sample (MKER1) Survey data and the 2012 Occupational Information Network (O*NET 17.0) database. Specifically, this project linked MKER1 cases' survey responses (collected 2012) and their resulting Standard Occupation Classification (SOC) codes with the 2012 Occupational Information Network (O*NET 17.0) database. The resulting standalone MKER1 O*NET dataset uses the 'MRID' respondent identifier variable and can be linked with any MIDUS Milwaukee Refresher dataset at the individual case level.

A. What dataset is available?

The MKER1 O*NET dataset is a rectangular dataset comprised of 447 occupational and SOC variables for 329 cases that were currently employed as of the MKER1 Sample Survey and had provided adequate responses to code their occupations into Census Occupation and SOC codes. Active military cases were not linked to O*NET.

The new dataset: ***MKER1_ONET2012_N329_20220217.sav***

B. What information from O*NET database is included in this dataset?

O*NET is the nation's primary occupational information source. It contains specific data on hundreds of standardized occupation-specific descriptors on over 1,000 Standard Occupational Classification (SOC) occupations. These descriptions include generalized work activities, features of the work organization, and other physical and social features shaping the nature of the work. These descriptions are organized and coded as variables in eight different O*NET dimensions that are outlined below.

1) **Abilities**: Enduring attributes of the individual that influence performance.
2) **Occupational Interests:** Preferences for work environments. Occupational Interest Profiles (OIPs) are compatible with Holland's model of personality types and work environments[1].

[1] Holland JL. Making vocational choices: A theory of vocational personalities and work environments, 3rd ed. Making vocational choices: A theory of vocational personalities and work environments, 3rd ed. Odessa, FL, US: Psychological Assessment Resources; 1997. xiv, 303–xiv, 303.

3) **Work Values:** Global aspects of work composed of specific needs that are important to a person's satisfaction. Occupational Reinforcer Patterns (ORPs) are based on the Theory of Work Adjustment[2].
4) **Work Styles:** Personal characteristics that can affect how well someone performs a job.
5) **Skills:** Developed capacities that facilitate learning or the more rapid acquisition of knowledge and performance of activities that occur across jobs.
6) **Knowledge:** Organized sets of principles and facts applying in general domains.
7) **Work Activities:** Work activities across a number of occupations. They are performed in many job families and industries.
8) **Work Context:** Physical and social factors that influence the nature of work.

C. How was the O*NET database linked to the MIDUS Sample through SOC codes?

MIDUS used SOC codes for each respondent's current occupation. If a respondent was not currently working or did not provide adequate occupational information, the case was excluded from the MIDUS-O*NET linkage. Military occupation codes were also excluded from the linkage since they are not included in the O*NET database. The MIDUS Milwaukee Refresher sample used SOC codes from 329 valid cases to link with O*NET datasets.

Complete detail of the linkage between MR1 and O*NET 17.0 is available in data documentation ***MKER1_ONET_DocumentationOfDataLinkage_20220222.docx.*** In brief, the data linkage was performed in two steps. MIDUS SOC codes that matched perfectly with the six digits O*NET SOC code were linked directly. For unmatched cases, a series of different mean value substitution adjustments were used to replace the values of the O*NET summary score variables for those of the unmatched SOC codes.

D. How were the summary scores created, and what do they mean?

O*NET intended for some dimensions to include summary scores for some variables. Mean O*NET summary scores were constructed based on recommended O*NET constructs and checked by running explanatory factor analysis. The list below displays the MIDUS variable names for all the constructed summary score variables in the resulting dataset. Note that O*NET did not intend for all dimensions to have summary scores. Further detail regarding the measurement and construction of summary variables within each dimension can be found in the documentation ***MKER1_ONET_DocumentationOfConstructedVariables_20220222.docx***

1. **Abilities (IM & LV)**

Variable Name	Variable Label
RAAABIMCOGABIL	O*NET 2012 Constructed Variable: Abilities-Important: Cognitive Abilities (Mean)
RAAABIMPSYCHABIL	O*NET 2012 Constructed Variable: Abilities-Important: Psychomotor Abilities (Mean)
RAAABIMPHYSABIL	O*NET 2012 Constructed Variable: Abilities-Important: Physical Abilities (Mean)

[2] Dawis R V., Lofquist LH. A psychological theory of work adjustment : an individual-differences model and its applications. 6th ed. Minneapolis: University of Minnesota Press; 1984.

Variable Name	Variable Label
RAAABIMSENSABIL	O*NET 2012 Constructed Variable: Abilities-Important: Sensory Abilities (Mean)
RAAABLVCOGABIL	O*NET 2012 Constructed Variable: Abilities-Level: Cognitive Abilities (Mean)
RAAABLVPSYCHABIL	O*NET 2012 Constructed Variable: Abilities-Level: Psychomotor Abilities (Mean)
RAAABLVPHYSABIL	O*NET 2012 Constructed Variable: Abilities-Level: Physical Abilities (Mean)
RAAABLVSENSABIL	O*NET 2012 Constructed Variable: Abilities-Level: Sensory Abilities (Mean)

2. Skills (IM & LV)

Variable Name	Variable Label
RAASKIMBASICSK	O*NET 2012 Constructed Variable: Skills-Important: Basic Skills (Mean)
RAASKIMMANAGESK	O*NET 2012 Constructed Variable: Skills-Important: Resource Management Skills (Mean)
RAASKIMSOCIALSK	O*NET 2012 Constructed Variable: Skills-Important: Social Skills (Mean)
RAASKIMSYSTEMSK	O*NET 2012 Constructed Variable: Skills-Important: Systems Skills (Mean)
RAASKIMTECHSK	O*NET 2012 Constructed Variable: Skills-Important: Technical Skills (Mean)
RAASKLVBASICSK	O*NET 2012 Constructed Variable: Skills-Level: Basic Skills (Mean)
RAASKLVMANAGESK	O*NET 2012 Constructed Variable: Skills-Level: Resource Management Skills (Mean)
RAASKLVSOCIALSK	O*NET 2012 Constructed Variable: Skills-Level: Social Skills (Mean)
RAASKLVSYSTEMSK	O*NET 2012 Constructed Variable: Skills-Level: Systems Skills (Mean)
RAASKLVTECHSK	O*NET 2012 Constructed Variable: Skills-Level: Technical Skills (Mean)

3. Activities (IM & LV)

Variable Name	Variable Label
RAAWAIMINFOINPUT	O*NET 2012 Constructed Variable: Work Activities-Important: Information Input (Mean)
RAAWAIMINTERWOTH	O*NET 2012 Constructed Variable: Work Activities-Important: Interacting with Others (Mean)
RAAWAIMMENTAL	O*NET 2012 Constructed Variable: Work Activities-Important: Mental Processes (Mean)
RAAWAIMWKOUPUT	O*NET 2012 Constructed Variable: Work Activities-Important: Work Output (Mean)
RAAWALVINFOINPUT	O*NET 2012 Constructed Variable: Work Activities-Level: Information Input (Mean)

Variable Name	Variable Label
RAAWALVINTERWOTH	O*NET 2012 Constructed Variable: Work Activities-Level: Interacting with Others (Mean)
RAAWALVMENTAL	O*NET 2012 Constructed Variable: Work Activities-Level: Mental Processes (Mean)
RAAWALVWKOUPUT	O*NET 2012 Constructed Variable: Work Activities-Level: Work Output (Mean)

4. Context (CX & CT)

Variable Name	Variable Label
RAACXINTERPERS	O*NET 2012 Constructed Variable: Work Context-CX: Interpersonal Relationships (Mean)
RAACXPHYWKCOND	O*NET 2012 Constructed Variable: Work Context-CX: Physical Work Conditions (Mean)
RAACXCTJOBCHAR	O*NET 2012 Constructed Variable: Work Context-CX&CT: Structural Job Characteristics (Mean)