UnderStandingAmericaStudy

UAS HRS WAVE 1 COGNITIVE SCORING

USC Dornsife Center for Economic and Social Research

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1 INTRODUCTION

This document describes the scoring of several of the cognitive tests in UAS HRS Wave 1 A-D in UAS20.

2 SERIAL SEVENS

The HRS serial sevens cognitive test involves asking respondents to subtract 7 from 100 and then to continue for a total of five subtractions in a row. It is administered to all respondents of UAS95. The answers to the subtractions are captured in variables d142, d143, d144, d145 and d146. The scoring variables are as follows:

- d142_ok: indicates if the subtraction of 100 minus 7 is correct.

- d143_ok: indicates if the subtraction of the answer to d142 minus 7 is correct.

- d144_ok: indicates if the subtraction of the answer to d143 minus 7 is correct.

- d145_ok: indicates if the subtraction of the answer to d144 minus 7 is correct.

- d146_ok: indicates if the subtraction of the answer to d145 minus 7 is correct.

- serialseven: is the sum of correct answers in d142_ok to d146_ok.

Answers are scored as follows:

- An answer is marked incorrect (denoted by e.g. d142_ok=5) if:

    - It is preceded by a non-answer (indicated by ".e") in the series. For example, if the answer to d143 and d144 is correct, but d142 equals ".e", d143 and d144 are also considered to be ".e".

    - The answer is NOT the result of the subtraction of 100 minus 7 (for d142) or the preceding answer minus 7 (for d143 to 146)

- An answer is marked correct (denoted by e.g. d142_ok=1) if:

    - It is NOT preceded by a non-answer (indicated by ".e") in the series. For example, if the answer to d143 and d144 is correct, but d142 equals ".e", d143 and d144 are also considered to be ".e".

    - The answer is the result of the subtraction of 100 minus 7 (for d142) or the preceding answer minus 7 (for d143 to 146)

- No individual score or overall serial seven score is provided (denoted by e.g. d142_ok=.a) if the subtraction was not asked, reflected for example by d142 equals "a.".

3 GENERAL KNOWLEDGE

The HRS general knowledge test involves a series of questions about who is the president and vice-president as well as some questions on the word for a certain object. It is administered to all respondents of UAS20. The answers to these questions are captured in variables d155, d156, d157 and d158. The scoring variables are as follows:

- o d155_ok: indicates if the answer to d156 (word for something used for cutting) is ok.

- o d156_ok: indicates if the answer to d155 (word for a prickly plant) is ok.

- o d157_ok: indicates if the answer to d157 (who is the president) is ok.

- o d158_ok: indicates if the answer to d158 (who is the vice president) is ok.

Answers are scored as follows:

- o d155_ok: correct answers are considered to be "scissors" and "shears"; either correctly spelled OR in such a way that the phonetic pronunciation matches a correct answers.

- o d156_ok: correct answers are considered to be "cactus" or specific names for cactus; either correctly spelled OR in such a way that the phonetic pronunciation matches a correct answer.

- o d157_ok: answers are scored based on the begin date/time of the interview. Since UAS20 spanned the 2016 U.S. Presidential Election, the correct answer prior to January 20, 2017 is considered to be Barack Obama. After that, it is considered to be Donald Trump. For an answer to be correct the last name must be present in the answer; either correctly spelled OR in such a way that the phonetic pronunciation matches the last name.

- o d158_ok: answers are scored based on the begin date/time of the interview. Since UAS20 spanned the 2016 U.S. Presidential Election, the correct answer prior to January 20, 2017 is considered to be Joe Biden. After that, it is considered to be Mike Pence. For an answer to be correct the last name must be present in the answer; either correctly spelled OR in such a way that the phonetic pronunciation matches the last name.