PSY 341 – spring 2014
Dr. Anderson

Test review project – due 6 March (50 points total)

This project is designed to help you learn the psychometric principles we study by applying them to an actual exemplar (the non-standardized test you select).

In this project you will apply various psychometric concepts we study in class to a test you select. I will assign questions for the project in class and post the questions to this page as well. Each question will contain the date it was posted. If you have questions about that particular question you **must** see me during my office hours within one week of the assignment – that means, do not wait until the project is due to review all elements with me as I will not discuss those elements which have passed the specified deadline. Since this is a college project and not a K-12 I will not collect your homework daily but will collect the project in its entirety on the 6th of March, it is your own responsibility to stay on top of the assignments.

The final project is due no later than 1.15 on 6 March. It must be typed according to basic APA format. Double space between questions, but not within the question, also include a title page and running head and page numbers as well as references. (5) Your final project should contain a copy of the test you are using, the pages from MMY (or your notes) with the information about the standardized test you use for comparison and the typed answers to the questions related to your test. The entire packet should be paper clipped and not stapled. (2)

Correct grammar. (3)

 Please answer the question in the order given below. You do not need to provide lengthy essay answers for each question, but the answers must be grammatically correct. Remember that you must justify all of your answers to demonstrate that you understand the concept. This means that if I ask you if the test is individual or group administered, you may not simply say "individual" nor may you say "individual, because it says so" you must explain why it is individually administered. Basically you are demonstrating that you understand each concept.

Select 3 non standardized tests, submit them to me for review and to assign you one test to work with. (Due 4 Feb)

1. Apply the 11 "characteristics of tests" discussed in class to your selected test. Be sure you explain and justify each of your answers. (11)
          Standardized vs. non-standardized
          Individual vs. group
          Speed vs. power

Objective vs. subjective
Written vs. oral
Verbal vs. non-verbal
Cognitive vs. affective
Achievement vs. aptitude
Timed vs. untimed
Criterion vs. norm referenced
Summative vs. formative

2. Which scale is used for your measure? (4 Feb) (2)
    Is it appropriate? – why or why not?
    Are there alternate scales that could be used to represent the data from your scale? If so how?

3. What sort of graph(s) would you use to display the data from your measure? (4 Feb) (2)
    Why would you use that one?

4. Does your test measure a state or a trait? (6 Feb) (2)
    Explain

5. What sort of norms would be appropriate to collect to standardize your measure? (6 Feb) (3)
    Why did you select those norms?

6. Which correlation formula would you use when correlating the scores from your measure with another variable? (6 Feb) (2)
    Why?

7. Which approach(s) would you use to determine the reliability of your measure? (5)
    Why did you select those approaches?

8. What content or construct is your measure assessing? (6)
    What do you think congruent and discriminate constructs would be to the one in your measure?
    How would you determine the content or construct validity of your measure?
    How would you determine the criterion validity of your measure?
    Why would you use those approaches?

9. Select a standardized instrument from MMY to use as a comparison for your measure. (3)
    Copy the relevant data (not hand written).
    Why did you select that instrument?
    How would you use this measure to help standardize your measure?

10. What do you think the factor structure of your test would look like? (4)
    How many factors do you think there would be?

Which questions would be in each factor?

If your test has 10 or fewer questions try to map them out (show the factor structure as we did in class).