

## Assignment #4: Fun With SEM

Assignment Due: **Beginning of Class November 7th**

Available for download is a set of evaluations of candidates for the Rhodes scholarship. To be awarded the Rhodes, one must demonstrate high abilities in both the intellectual and athletic domains. Use AMOS to test various structural models. Don't worry if various analyses "blow up." Keep trying, inspect the correlation matrix (using SPSS), and attend one of the help sessions. Briefly report the results of your various analyses.

Your write-up for this assignment should be *concise* (three pages maximum of text, as stated in the course outline). Please focus only on what would normally be reported in a "Results and Discussion" section of a journal article. You will be marked on your use of appropriate statistical procedures and your interpretation of them (three quarters of your mark), as well as clarity and organization in writing (one quarter of your mark). Be sure to include your output. Use APA style (5<sup>th</sup> Edition) when reporting your results. Feel free to consult with your fellow classmates when necessary but complete the assignment on your own.