**Dr. Matthews PSYC 370 Section Exam #4**

**Due at 8:30 AM (sharp!), Friday December 9th**

**Worth 75 Points**

Advanced Statistical Procedures

This assignment is designed to improve your understanding of statistics, improve your writing skills, and refine your integrative complexity. Begin by reading the following three articles, which address Signal Detection Theory’s ROC Curves, the problem of replication, and Bayesian statistics, respectively.

1. Weis, R., Toolis, E. E., & Cerankosky, B. C. (2008). Construct validity of the Rotter Incomplete Sentences Blank with clinic-referred and nonreferred adolescents. The Journal of Personality Assessment, 90(6), 564-573. doi: 10.1080/00223890802388491
2. Lindsay, S. (2015). Replication in Psychological Science. *Psychological Science,* November 17th, 2015, 1-6. doi:10.1177/0956797615616374
3. Dienes, Z. (2011). Bayesian Versus Orthodox Statistics: Which Side Are You On? *Perspectives on Psychological Science, 6*(3), 274-290.

Subsequently, write a ~1,500 word essay [analyzing](http://writingcenter.unc.edu/handouts/argument/) the three articles, *with a particular emphasis on ROC Curves, the problem of replication, and Bayesian statistics.* Your essay must present the articles in the above-shown sequence, but do not number your responses.Instead, your essay should smoothly transition across the articles, each of which should be summarized in approximately 500 words.

**Rubric:** **As always, your grade will be based on the quality of your writing style (i.e., grammar, clarity, succinctness, organization, and transitions; see additional stylistic issues listed on the back of this page). Additionally, your grade for this assignment will be based on your ability to integrate disparate ideas, demonstrate a critical understanding of statistics, and on the persuasiveness of your prose.**

Use a ‘Times New Roman’ font, a ‘12’ point size and double spacing. **Your essay must be between 1,400-1,600 (inclusive) words in length. At the end of your essay, please report your word count. Example: “Word Count = 1,549”.** In MS Word, you can determine the word count by highlighting your text, and selecting “word count” from the “Review” tab. At 8:30 AM (sharp!) on the assigned day, an electronic copy of the writing assignment is due in BlackBoard and an exactly matching paper copy is due in class.

Note: Your assignment should have a cover page indicating your **Slayter Box Number** (not your name), **Date**, **Section Exam 4**, **Dr. Matthews,** and **Psych 370-01.** To avoid delays, print your essay at least several hours before it’s due. Also, the pages of the assignment must be stapled ***before*** coming to class. Please don’t be late. ☺

The assignment is worth 75 points of the 1,000 possible points for the course. Based on the above rubric, essays that I deem “satisfactory” for a science course at an academically challenging college like ours will earn 72% of the 75 points. Your essay will earn more or fewer points to the extent that it, respectively, exceeds or falls short of that “satisfactory” standard.

Note: You must work alone on this assignment. Do not consult anyone else on any aspect of your essay.

To earn any credit on this assignment, you must also participate in the Writing Workshop session.

**Good luck, and most importantly, have fun with this assignment! ☺**

Feedback on Writing Style

1. **Spelling error**
2. **Plural / singular errors**
3. **Ineffective or incorrect punctuation**
4. **Inappropriate change in verb tense**
5. **Poor grammar**
6. **Omitted words/phrases or duplicate or extra words/phrases**
7. **Poor word-choice**
8. **Use subjunctive mood for hypotheticals -** [**https://en.wikipedia.org/wiki/Subjunctive\_mood**](https://en.wikipedia.org/wiki/Subjunctive_mood)
9. **Redundant use of words (within a sentence or across sentences) without parallelism**
10. **Lapse in parallelism -** [**http://en.wikipedia.org/wiki/Parallelism\_(grammar)**](http://en.wikipedia.org/wiki/Parallelism_(grammar))
11. **Ineffective use of prepositions (limit prepositions to no more than two between verbs)**
12. **Ambiguous pronoun use (e.g., to whom does “it”, “s/he”, or “they” refer?)**
13. **Use of “prove” or “proof” (reserve those for complete certainty, i.e., mathematical proof)**
14. **Poor organization**
15. **Lapse in succinctness (“in order”) (limit sentences to no more than 35 words)**
16. **Lapse in clarity**
17. **Non sequitur, or other lapse in logic or coherence**
18. **Awkward phrasing or informal phrasing**
19. **Personification**
20. **Ambiguous comparison**
21. **Ambiguous negation (“not A or B”) or incorrect negation (“all that glitters is not gold”)**
22. **Subject / verb separation – s/b short or zero.**
23. **Each unit of discourse should make a single point.**
24. **Ineffective transition (between sentences, or paragraphs) - Put in the topical position old info that links back. Put in the stress position new info that you want the reader to emphasize. Also avoid “pseudo transitions” - placing the topical sentence for one paragraph as last sentence in the preceding paragraph.**
25. **Locating the action - (s/b in the verb) – Use action verbs rather than “being” verbs such as “is” “are” “was” “were” “have” “had”.** [**https://en.wikipedia.org/wiki/Nominalization**](https://en.wikipedia.org/wiki/Nominalization)
26. **Idea requires additional development, evidence, or context**
27. **Emphasizes summary or opinion over analysis, synthesis, or argument**