

PSY 392 – Data mining  
Homework 6  
Due: November 20, 2019, 5:00 pm

Use the statcheck online app (<http://statcheck.io/index.php>) to check the statistics reported by Sparrow et al (2011.) and Huang et al. (2011)

Hints. A-E should be brief – note the point value for these questions. I mainly want you to demonstrate your ability to use and interpret the statcheck app.

Question 1 (50 points) - Sparrow et al. (2011)

- a) Write an explanation of the paper such that a non-psychologist could understand what is going on. (2 points)
- b) What was the sample size for each experiment? (1 point)
- c) What were the conditions for each experiment? (1 point)
- d) In your own words, what was the procedure for each experiment? (1 point)
- e) Include a screenshot of the statcheck output. (5 points)
- f) Summarize the statcheck output. (20 points)
- g) Discuss each inconsistency identified by statcheck. What might have happened? Does the inconsistency affect the conclusions of the paper? (20 points)

Question 2 (50 points) - Huang et al. (2011)

- a) Write an explanation of the paper such that a non-psychologist could understand what is going on. (2 points)
- b) What was the sample size for each experiment? (1 point)
- c) What were the conditions for each experiment? (1 point)
- d) In your own words, what was the procedure for each experiment? (1 point)
- e) Include a screenshot of the statcheck output. (5 points)
- f) Summarize the statcheck output. (20 points)
- g) Discuss each inconsistency identified by statcheck. What might have happened? Does the inconsistency affect the conclusions of the paper? (20 points)