

## Discussion Articles – Wrong/False Research!

Please read the articles “Odds Are, It’s Wrong” and “Why Most Published Research Findings Are False,” as posted on the class website. Consider the two questions below and write brief responses. Bring this sheet to class.

In the “Odds Are, It’s Wrong” article discusses several “shortcomings” of statistics; some are difficulties in interpreting statistical results, while others point to unresolved issues within statistics itself. Describe one of these issues that you find particularly interesting or relevant, and what a solution might look like.

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For the “Why Most Published Research Findings Are False” article, please concentrate on the ideas, not the mathematics. List below some of the reasons Ioannidis feels research findings are false. Circle one that you find particularly interesting or relevant.

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To be answered in class:

What did you learn in reading these articles or in today's discussion that will affect the way you interact with non-statisticians?

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