Significance testing as perverse probabilistic reasoning

☐ How should I communicate the results of a significance test to this guy?

☐ 1. H_0 is false.

☐ 2. H_1 is true.

☐ 3. H_0 is probably false.

☐ 4. H_1 is probably true.

☐ 5. Both (1) and (2).

☐ 6. Both (3) and (4).

☐ 7. None of the above.

[1] M. B. Westover, K. D. Westover, and M. T. Bianchi. Significance testing as perverse probabilistic reasoning. BMC Medicine, 2011.

Randomization ; the Physical Basis of the Validity of the Test

-Johnny Appleseed