

Homework 2. Due by 11:59pm on Sunday 9/20.

Publication and peer review

Read pages 29–38 of *On Being a Scientist*. Write brief answers to the following questions, by editing the tex file available at <https://github.com/ionides/810f26>, and submit the resulting pdf file via Canvas.

1. If you write an article which builds on a result (experimental or theoretical) published in a peer reviewed journal, can you assume that the result is correct?

YOUR ANSWER HERE.

2. How does one choose a reasonable balance in research between (i) quality versus quantity; (ii) timeliness versus thoroughness?

YOUR ANSWER HERE.

3. What is appropriate and inappropriate use of AI when writing a paper for submission to a peer reviewed journal?

YOUR ANSWER HERE.

4. To what extent are referees responsible for checking the correctness of research?

YOUR ANSWER HERE.

5. How should a responsible referee decide how much time to take writing a review?

YOUR ANSWER HERE.

6. Should referees use AI when reviewing a paper? What considerations affect whether or how to use AI in peer review?

YOUR ANSWER HERE.

7. Look at the journal impact factors in the Statistics and Probability category within the Mathematics section of the Journal Citation Reports at <https://jcr-clarivate-com.proxy.lib.umich.edu/>. To what extent does their ranking reflect the professional prestige of the journals in our discipline?

YOUR ANSWER HERE.

8. How should one interpret the order of the authors in a statistics paper?

YOUR ANSWER HERE.

9. When writing a manuscript, who should be included as an author? How and when is author order usually determined?

YOUR ANSWER HERE.

10. Collaboration: How much statistical advice should you give to a scientist before expecting the reward of coauthorship?

YOUR ANSWER HERE.