Survey to understand statistical procedure selection

The purpose of this survey is to understand the selection of statistical procedures in real-world analyses. By taking this survey, you help us further our research, in which we try to understand and improve statistical procedure selection.

If you have performed statistical hypothesis tests (e.g., ANOVA, t-test) within the last year, you are eligible to take this 5-minute survey.

Upon successfully completing this survey, you can choose to enter your email address to have a chance to win an Amazon gift card worth 30 USD. If you are outside US, you will get a gift card worth 30 USD redeemable on the Amazon website in your country. The winner will be contacted via email shortly after we have stopped collecting responses, around Sep. 12. Your email address will not be used in any publications or reports that may result from the survey.

For any questions, please contact ██████████████████████
* Required

1. What is your current educational status or occupation? *

   Mark only one oval.

   ◯ Bachelor's student

   ◯ Master's student

   ◯ PhD student

   ◯ Researcher (professor, post-doc, etc.)

   ◯ Industry practitioner

   ◯ Other: _____

2. In which country are you studying or working? *

   _____

3. In which discipline do you work or conduct your research? *
   E.g., human-computer interaction, psychology, social science, and risk analysis.

   _____

4. Did you attend a course or undergo formal training in statistical hypothesis testing? *

   Mark only one oval.

   ◯ Yes, and this prepared me well for my real-world analyses

   ◯ Yes, but this did not prepare me well enough for my real-world analyses

   ◯ No

5. How many times have you performed statistical hypothesis tests in the previous year? *

   Mark only one oval.

   ◯ 1 or 2

   ◯ 3 to 5

   ◯ 5 to 10

   ◯ More than 10

6. In general, how confident are you that the statistical procedure you have chosen is correct? *

   Mark only one oval.

	1	2	3	4	5	
Not confident at all	◯	◯	◯	◯	◯	Very confident

7. Based on your experience, how complex do you think finding the correct statistical procedure is? *

   Mark only one oval.

	1	2	3	4	5	
Very straightforward	◯	◯	◯	◯	◯	Very complex

8. At what stage during the analysis do you decide the statistical procedure to use in your analysis? *

Mark only one oval.

   ⬭ Before collecting the data, e.g., as a part of pre-registration

   ⬭ After collecting some data, e.g., from a pilot study

   ⬭ After collecting all the data

9. If you wish to provide additional information about your answers to previous questions on this page, you can use the space below.

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Resources that help with statistical procedure selection

10. Which of the following resources do you use to help decide which statistical procedure to use? *

Check all that apply.

☐ Books

☐ Research publications

☐ Q&A websites, e.g., StackExchange, CrossValidated, and ResearchGate

☐ Other webpages, e.g., tutorials and wiki pages

☐ Discuss with an expert, e.g., colleague, thesis advisor, or senior researcher

☐ Lecture notes, slides, or videos from a course

Other: ☐ _____

11. If you selected "Books", please rate this resource according to the following criteria.

Mark only one oval per row.

	Very bad	Bad	Neutral	Good	Very good
Trustworthiness: How reliable is the information?	○	○	○	○	○
Speed: How quickly can you get the information?	○	○	○	○	○
Availability: How readily available is the information?	○	○	○	○	○

12. If you selected "Research publications", please rate this resource according to the following criteria.

Mark only one oval per row.

	Very bad	Bad	Neutral	Good	Very good
Trustworthiness: How reliable is the information?	○	○	○	○	○
Speed: How quickly can you get the information?	○	○	○	○	○
Availability: How readily available is the information?	○	○	○	○	○

13. If you selected "Q&A websites", please rate this resource according to the following criteria. Note that this refers to situations where you did not post questions on such websites, but instead just viewed answers to existing questions.

Mark only one oval per row.

	Very bad	Bad	Neutral	Good	Very good
Trustworthiness: How reliable is the information?	◯	◯	◯	◯	◯
Speed: How quickly can you get the information?	◯	◯	◯	◯	◯
Availability: How readily available is the information?	◯	◯	◯	◯	◯

14. If you selected "Other websites", please rate this resource according to the following criteria.

Mark only one oval per row.

	Very bad	Bad	Neutral	Good	Very good
Trustworthiness: How reliable is the information?	◯	◯	◯	◯	◯
Speed: How quickly can you get the information?	◯	◯	◯	◯	◯
Availability: How readily available is the information?	◯	◯	◯	◯	◯

15. If you selected "Discuss with an expert", please rate this resource according to the following criteria.

Mark only one oval per row.

	Very bad	Bad	Neutral	Good	Very good
Trustworthiness: How reliable is the information?	○	○	○	○	○
Speed: How quickly can you get the information?	○	○	○	○	○
Availability: How readily available is the information?	○	○	○	○	○

16. If you wish to provide additional information about your answers to previous questions on this page, you can use the space below.

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Thank you for taking the survey!

Your response is much appreciated, and will help us understand and improve statistical procedure selection.

17. Enter your email address if you would like to enter the raffle to win an Amazon gift card worth 30 USD. (You may leave the response empty if you choose not to enter the raffle.)

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