Importance of additional Computing background for students in the Life Sciences

I am an undergraduate student at UBC engaged in a technical writing project. The purpose of this survey is to obtain primary data for an investigation that aims to provide recommendations to motivate students in the Life Sciences to pursue additional computing background.

The final formal report will be addressed to undergraduate students and potentially the departmental head of Biology. The data I gather from this survey will serve the purpose of informing students on the benefits of additional computing skills.

The survey contains 9 multiple-choice questions and one longer-input question. It should take about 5 minutes of your time. Your responses are voluntary and anonymous. Thank you, I appreciate your generous participation in my survey.
If you have any questions do not hesitate to contact me at aleemtariq19@gmail.com.
* Required

1.   Field of Research/Focus *

e.g. Neuroscience, Immunology, Cognitive Neuroscience, Ecology, Biomathematics, etc. Choose most recent research role/experience.

_____

2.   Importance of computing in your field of research *

e.g. data analysis, statistical tests, background in programming languages, modelling and visualizing problem domains

Mark only one oval.

	1	2	3	4	5	
Low	○	○	○	○	○	High

3.   Importance of specific languages in your field of research *

e.g. In tasks such as data analysis, statistical tests, modelling problem domains, etc.

Mark only one oval per row.

	1 (Low)	2	3 (Medium)	4	5 (High)	N/A
R	⬭	⬭	⬭	⬭	⬭	⬭
MATLAB	⬭	⬭	⬭	⬭	⬭	⬭
Python	⬭	⬭	⬭	⬭	⬭	⬭
Java	⬭	⬭	⬭	⬭	⬭	⬭
Ruby	⬭	⬭	⬭	⬭	⬭	⬭
SQL	⬭	⬭	⬭	⬭	⬭	⬭

4.   Additional Computing-background will make students better researchers in my field *

e.g. skills related to programming languages, data analysis, data visualization techniques, etc.

Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	⬭	⬭	⬭	⬭	⬭	Strongly Agree

5.   The role of Computing in my field will increase with time *

e.g. skills related to programmming languages, data analysis, data visualization, etc. will be required moreso in the future

Mark only one oval.

	1	2	3	4	5	
Strongly Disagree	⬭	⬭	⬭	⬭	⬭	Strongly Agree

6. What are specific computational skills you seek out in students (undergraduate/graduate) interesting in pursuing research in your lab? *

e.g. data analysis techniques, statistical tests, data visualization, ML etc.

7. How do you anticipate your field of research will change with time?

In terms of not only skillsets required, but the types of research questions posed in the future, and what may be needed to answer them.

8. Additional Comments

Any additional comments or considerations.

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