

Final Exam

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Questions

1. Can you describe the best scientific sources you will use for your research? why that source is chosen?
2. As a future professional in research institution, can you explain the importance of accountability of your research outputs?

Answers

1. To me, the best scientific sources I will use for my research includes:

Journals: They provide correct scientific information. I look for the one with ethical research practices or from a trusted name, and most importantly peer reviewed. I use E-Journals excessively (e. g. www.sciencedirect.com, Nature, Science, The Lancet, ...) and even those from universities (Stanford, Harvard, ...)

Websites: For official publication of the information. Often used for a background information of the topic. That includes websites of research institutions (e.g., www.transportation.anl.gov) or websites of government agencies and NGOs (Although could be biased due to politics) and more.

Search Engines: This is actually a 'secondary medium' (I use it as a way to quickly find Journals) and worth mentioning. I believe almost everyone use this at one point, as sometimes it just hard to find something specific until those readings from the quick source like search engine show us the connections and/or inspiration. I oftentimes use Google Scholar but also consider using other search engines such as Microsoft Academic Research (<http://academic.research.microsoft.com/>)

Reports: I use reports for the case, statistics not discussed in scientific journals is needed, or just to validate the specific data in numbers in the case study.

Thesis and dissertations: Oftentimes for inspirations to lead to a conclusion or how to shape the case study.

However there are also more possible sources like books, although those that were mentioned are the most feasible for me to use.

2. As a future professional in research institution, the importance of accountability in research is indeed a great importance that every institution must consider. Holding yourself and your peers of researchers accountable for every action you do is super important as conducting research means that you are responsible for every process that you do, that the research is ethical and also fit the needs of the society without actually biased or affecting them as a whole, or simply said, making sure that you and the work that you do is reliable.