

NSW Bushfire STEM Poster Competition – Judging Criteria



Participation in this competition is voluntary.

1. Clarity of the message
 - a. Is the poster understandable without extra information?
 - b. Are the objectives, research question or hypotheses clear?
 - c. Are the results and conclusions clear?
 - d. Is the poster clearly and logically set out?
2. Data collection
 - a. Are the collected data appropriate for answering the research question?
 - b. Are the data collection methods clearly stated (repeatable)? (e.g., primary data collection by survey, or other measurement tools; or secondary sources are cited – published reports, databases, etc.)
 - c. Has data quality been considered? (i.e., accuracy of measurements, size of the sample, reliability of sources and methods of sampling, validity, etc.)
 - d. Have the effects of variation, and how to mitigate and/or learn from such, been considered when obtaining data?
 - e. Have comparison groups been considered and well-constructed where applicable?
 - f. Are the data sources referenced in the poster?
3. Analysis and conclusions
 - a. Are the data analysed in terms of the research question or hypotheses?
 - b. Is the analysis appropriate for the kind of data collected?
 - c. How well is the research question answered?
 - d. Are there conclusions and are they supported by the data?
 - e. Are there any limitations discussed or improvements for future studies suggested?
4. Visual displays and tables
 - a. Are the graphs/tables/statistics appropriate for displaying and summarising the data?
 - b. Are there adequate graphs/tables from different perspectives?
 - c. Does every graph/table add something to the poster?
 - d. Are the graphs/tables properly titled and explained?
5. Presentation
 - a. Is the poster legible – see Rules document for font sizes?
 - b. Is there a good balance between visual displays and text?
 - c. Does the poster look well laid out?
6. Creativity/importance
 - a. Is the research question creative or original?
 - b. Does the study answer an interesting question?
 - c. Is the design creative and original?
 - d. Is the poster appropriately interesting or eye-catching?

Thank you for your consideration of this competition.

Professor Peter Howley

Vice President – Hunter Innovation and Science Hub

Chair of Statistical Education – Statistical Society of Australia