Grading Rubric: Z620 Biostatistics

A score of zero will be awarded in any category where the work does not meet the criterion for a score of 1.

	4	3	2	1
Introduction	Restates the problem clearly and independently. Provides relevant background information. Writes for a lay reader, minimizing jargon.	Restates the problem clearly and writes for a lay reader, minimizing jargon.	Restates the problem using the wording provided or has minor issues with restating the problem.	Restates the problem but the wording is not clear or there are issues with the formulation of the problem.
Methods	Selects one or a very few statistically appropriate methods for data analysis. Selects the correct sidedness for any statistical test. Clear description of the methods so that the reader can reproduce the results accurately and easily.	Selects one or a very few statistically appropriate methods for data analysis. Selects the correct sidedness for any statistical test. The description of the methods mainly accurate, but lacking sufficient detail or excessive detail about the process of method selection given.	Selects methods with moderate flaws or the incorrect sidedness for a statistical test. The description of the methods mainly accurate, but may be lacking sufficient detail in conjunction with other errors.	Selects too many methods or selects one or more methods with substantial flaws for analyzing the data. The description of the method may be flawed or missing altogether.
Results	Correctly implements the methods chosen. Presents the results clearly using tables and graphs and encloses accurate and complete technical numerical results in parentheses at the end of lay descriptions.	Minor problems with the implementation of the methods chosen; or incompletely reports the technical numerical results. Uses appropriate tables and graphs.	Multiple problems with the implementation and presentation of results. Tables and graphs not used to convey the results when including them would help the lay reader.	Results are inaccurately and incorrectly reported. Results that are extraneous to the problem are reported.
Discussion	Interprets the results for a lay reader on the scale of the original data. Includes a discussion of the population to which the conclusions apply and the nature of the data – whether they are observational or experimental. Discusses the quality of the experiment when relevant.	Minor problems with interpreting the results, but attempts to interpret them on the scale of the original data. Accurately notes whether the data are observational or experimental and accurately notes the population from which the data come.	Interprets the results, perhaps with problems, but not on the scale of the original data or fails to note the nature of the data or the population on which inferences are being made.	Interprets the results, perhaps with problems, but not on the scale of the original data and fails to note the nature of the data or the population on which inferences are being made.
Communication	Writes concisely, with correct grammar and spelling.	Writes at length where brevity would suffice or has more than 3 grammatical and spelling errors.	Writes at length where brevity would suffice and has more than 3 grammatical and spelling errors, or has more than 6 grammatical and spelling errors.	Grammar and spelling errors that make reading the text extremely difficult or the text is very difficult to follow and perhaps contradicts itself.

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A+: 20	B+: 16	C+: 12	D: 8
A: 18-19	B: 14-15	C: 10-11	F: <8
A-: 17	B-: 13	C-: 9	