

Advanced Mathematical Decision-Making Statistical Reasoning Project

Answers to these questions will vary based on surveys chosen by each student group.
Responses may be graded on a 5-point scale, according to the following criteria:

1 – Answers are inaccurate, incomplete, or not present. Questions are not adequately answered. No details are provided, and opinions are not supported with evidence from the text. Errors in spelling, grammar, and/or mechanics are substantial.

2 – Answers are partially stated and/or partially accurate. Major details are missing, and opinions are not supported with evidence. Errors in grammar, spelling, and mechanics detract from the content of the response.

3 – Answers are complete but inaccurate. Important details are missing, and opinions are not supported with evidence. Conventional grammar, spelling, and mechanics are generally correct.

4 – Answers are complete and accurate but not thorough. Some details may be missing. Opinions may not have enough supporting evidence. Conventional grammar, spelling, and mechanics are mostly correct.

5 – Answers are complete, accurate, and comprehensive. Details are included, and opinions are supported with evidence from the text. Conventional grammar, spelling, and mechanics are all correct.

Copy and paste your two surveys below. **1 2 3 4 5**

1. What is your topic and why did you choose it? **1 2 3 4 5**

2. Describe the sample and population of both surveys. **1 2 3 4 5**

3. Give a specific example of data from one of the surveys. **1 2 3 4 5**

4. Is the data overall in both surveys quantitative or qualitative. How do you know?
1 2 3 4 5

5. Compare the two surveys. Are the populations the same? Were the results of the surveys similar? ... **1 2 3 4 5**

6. You don't know all the specifics of the surveys, but can you think of any possible sources of bias for one or both of the surveys? **1 2 3 4 5**

7. Do you think the samples are representative of the populations? Explain.
1 2 3 4 5