



Evaluate a Statistically Based Report

Achieved	Merit	Excellence
Evaluate a statistically based report.	Evaluate a statistically based report, with <u>justification</u> .	Evaluate a statistically based report, with <u>statistical insight</u> .
<p><u>Justification</u> - Linking components of the investigation process to the context, explaining relevant considerations, and supporting findings with evidence from the experiment.</p>		
<p><u>Statistical Insight</u> - Integrating statistical and contextual knowledge throughout, reflecting on the process, discussing variation, considering other relevant variables.</p>		

Survey Features

The key survey features to evaluate include:

- Population measures and variables
- Sampling methods
- Survey methods
- Sampling and non-sampling errors
- Sample size

Evaluation Techniques

To evaluate the report, students should :

- Identify and comment on features and findings relevant to the report's purpose
- For Merit, justify comments using statistical evidence and survey processes
- For Excellence, integrate statistical and contextual information to assess report quality

Problems

Situations set in real-life or statistical contexts that provide opportunities to apply knowledge or understanding of statistical reports.

Key Vocabulary

Students should understand and use terms related to statistical reports such as:

- | | | |
|-------------------------------------|--|---|
| <input type="checkbox"/> Population | <input type="checkbox"/> Sampling errors | <input type="checkbox"/> Sample size |
| <input type="checkbox"/> Sample | <input type="checkbox"/> Non-sampling errors | <input type="checkbox"/> Statistical evidence |
| <input type="checkbox"/> Variables | <input type="checkbox"/> Survey methods | |