



Inference Checklist

Achievement

I can:

- Pose a comparison investigative question using a given multivariate data set
- Select and use appropriate displays and summary statistics to analyze the data
- Discuss the sample distributions
- Discuss sampling variability, including the variability of estimates
- Make an appropriate formal statistical inference
- Communicate the findings in a conclusion

Merit

I can:

- Link the components of the statistical enquiry cycle to the context and/or populations
- Refer to evidence such as sample statistics, data values, or features of visual displays to support statements made
- Provide justification for the formal inference

Excellence

I can:

- Integrate statistical and contextual knowledge throughout the statistical enquiry cycle
- Reflect on the process used to make the formal inference
- Consider other relevant explanations for the findings
- Communicate statistical insights in the conclusion