MAT1020 - Elementary Statistics - CORE OUTCOMES

Course Effective Date: Summer 2014
Outcome Approval Date: Fall 2023
Next Outcome Review Date: Fall 2028

Upon completion of this course, students will be able to:
1. Create graphical and numerical descriptions of quantitative and qualitative data

2. Calculate probabilities and percentiles related to a general normal distribution

3. Distinguish differences in data analysis and interpretation between observational data and data from designed experiments

4. Calculate and interpret a confidence interval for a single parameter, using both large and small samples

5. Perform and interpret a test of hypotheses for a single parameter, using both large and small samples

6. Perform and interpret statistical inference on the difference of two parameters

7. Fit and interpret a simple linear regression model, including correlation and scatterplots