

tat 1040 Course Objectives or Learning Outcomes

A student will be able to:

1. Understand, interpret and represent mathematical information using symbolic, visual, numerical and verbal conventions. This will be addressed through graphical methods of data representation.
2. Solve problems using numeric, algebraic, geometric and statistical methods. This will be addressed through calculating probabilities and confidence intervals.
3. Use quantitative information in context and determine reasonableness of results. This will be addressed through interpretation of hypothesis test results, the difference between statistical significance and practical significance, and comparisons between observational and experimental studies.
4. Use appropriate mathematical tools in problem solving (e.g. calculators, computers, measurement instruments and manipulatives). This will be addressed through instruction on the statistical capabilities of a TI-84 calculator and excel.