

# DATA SCIENCE AND STATISTICS SUMMER CAMP

**July 14-16, 2026**

Students will explore and develop data literacy by collecting and analyzing data. The key learning objectives include :

- **Data Collection**

- Categorical vs Quantitative Data
- Sampling bias
- Population vs sample

- **Analyzing Data**

- measures of center: mean, median, mode.
- Measures of variability: range, interquartile range, standard deviation

- **Displaying Data**

- Histograms, box plots, stem-and-leaf plots
- identify trends, patterns, outliers

- **Critical Thinking**

- Making inferences about a population based on sample data
- Become critical consumers of media-reported statistics

Rising 9-12 Grades

Gateway Technology Center  
3400 N Wesleyan Blvd.  
Rocky Mount

9:00AM -3:00PM

Lunch is provided