Comparing Risk Behaviors of Teens in America

Worksheet #2

1. Using Table 12 of the Youth Risk Behavior Surveillance — United States, 2013, find the 5 number summary (median, upper quartile, lower quartile, maximum, and minimum) for the 34 states in the data.
2. Use the information to create a box plot on the Risk Behavior Box Plots.
3. Label the Total percentage of students who carried a weapon on school property for your state and the other 3 selected states on the graph.
4. How does your state compare to the overall box plot? Is it above or below the median? Does it lie inside or outside the interquartile range? Is the difference significant?
5. How does your state compare to the other states you chose? Were there any significant differences?
6. Does the box plot change any of your findings or opinions from the first graphs? Which graphs were more useful for your comparisons?
7. Write a conclusion paragraph about your observations and findings based on the box plot?