AP Statistics Minitab Chapter 1 Activity

Paste all answers below the number for the question being asked.

1. **Set Up**
2. Log on to the computer (use windows) and open Minitab (desktop or start—all programs).
3. When it asks you for license data edit the 27000 so that it reads 27000@mb-license. Hit enter.
4. Go to my website and download the class survey data under HW #4 (the excel file). Copy everything from the file into minitab.
5. **Bar Graphs**
6. Graph 1: Make a bar graph of Wash Hands using counts of people on the Y-axis. Can you figure out how to add a title to your graph? Change the color of the bars to your favorite color. Copy and paste this into word.
7. Graph 2: Make a bar graph of Wash Hands using percent of people on the Y-axis. Include a title and copy into word.
8. **Pie Charts**
9. Graph 3: Make a pie chart of gender. Add a title and copy into word.
10. **Stem and Leaf Plot**
11. Graph 4: Make a stem plot of Teacher’s Age. Copy into word.
12. **Dot Plot**
13. Graph 5: Make a dot plot of Hours of Sleep. Add a title and copy into word.
14. **Histogram**
15. Graph 6: Make a histogram of Teacher’s Age. Use frequency (counts on the y axis). Drag your mouse over the bars. What is the width of each bar? Add a title and copy to word.
16. Graph 7: Make another histogram of Teacher’s Age. This time use percents on the y axis. Add a title and copy to word.
17. **Is washing hands related to gender?**
18. Graph 8: Make side-by-side bar graphs, one of wash hands for females and one of wash hands for males. What do you think?
19. **Is the age that students think that I am related to gender?**
20. Graph 9: Make stacked dot plots, separating by gender. Add a title and copy to word.
21. Graph 10: Make side-by-side histograms. Add a title and copy to word.
22. What do you think?

**IX.** Use minitab (NO Calculators/Math allowed!) to calculate descriptive statistics for Hours of Sleep. Copy the answers below.

1. Based on this data, what do you think the shape of the distribution is?
2. Confirm your answer in [4] by having Minitab construct a histogram. Paste it below. Were you right?
3. Have Minitab construct a box plot. Paste it below.