

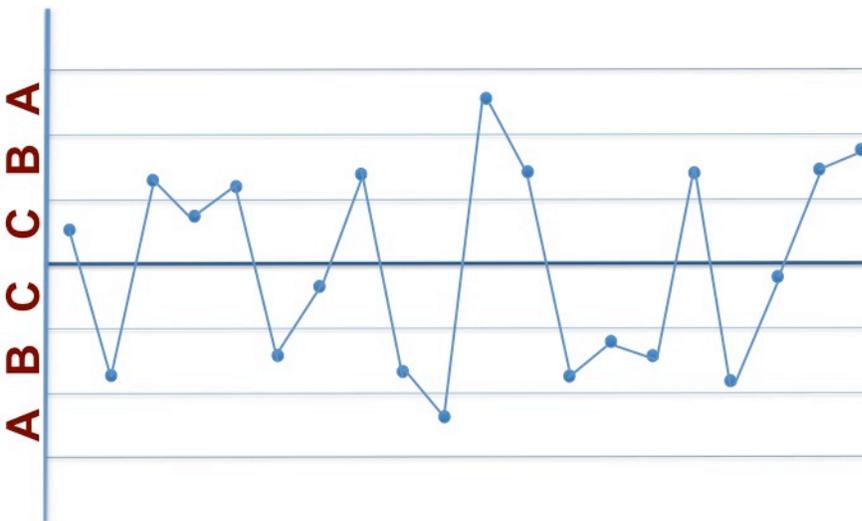


5. Given the following set of data, calculate the Centerline Value of a X-bar Chart.  
5.5, 7, 7.25, 4.9, 6.32, 5.74

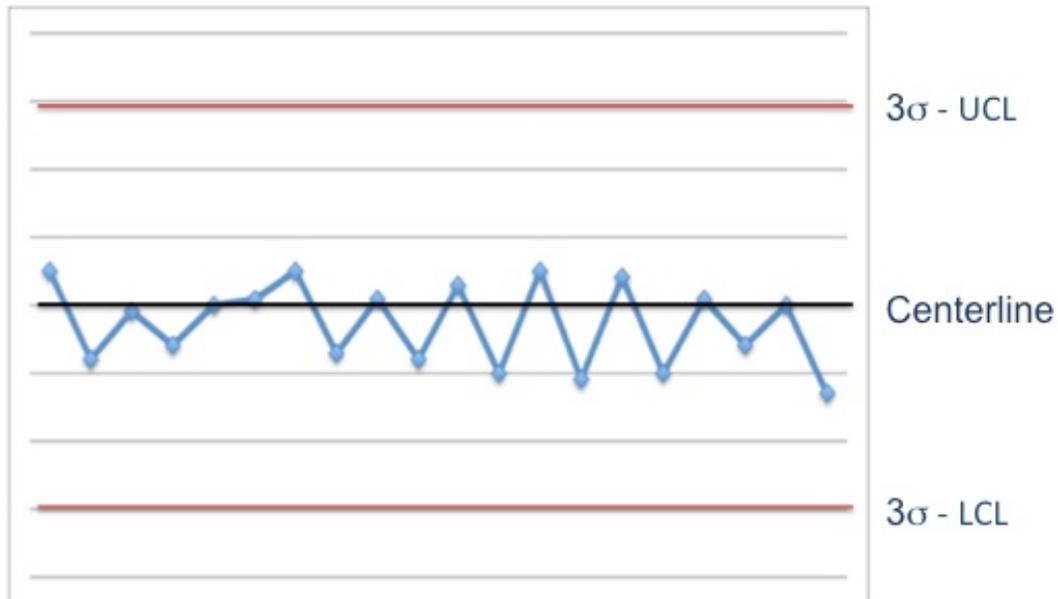
6. Using the data set above, calculate Upper Control Limit

7. Fill in the blank: The control limits are based upon the assumption that the historical data is distributed \_\_\_\_\_.

8. Is the following process “in control”? If not, state the rule that supports your answer.



9. Is this process in Control? If not, state the rule that supports your answer.



10. What do you do when your process is out of control or is experiencing a trend, cycle, or shift?

11. Explain what is happening with the process if your process is violating Rule 8 of the Shewhart Rules.

12. What is the difference between specification limits and control limits?