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| ***TUESDAY (11.26.24*)** **Chapter 5, *Under Normal Circumstances*** **OBJECTIVES:** - Understand how extraordinary a standardized value may be by using a Normal Model and knowing when it will be appropriate. - Know how to calculate a z-score. - Estimate the percentage of observations falling within 1, 2, or 3 standard deviations of the mean, using the 68-95-99.7 % Rule. - Know how to compare values of different variables using their z-scores.**Discuss the previously assigned work (pages 122 – 136).*** Page 138 (#7 – 17 odd).

**Class Work:*** Page 138 (#6 – 12 even).
* Read and take notes on pages 122 – 128.
* Discuss pages 122 – 128.
* Consider a distribution that is normal with a mean of 800 and a standard deviation of 50, which is symbolized by N (800, 50).
* Illustrate ***The 68-95-99.7% Rule***, aka ***The Empirical Rule***.

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