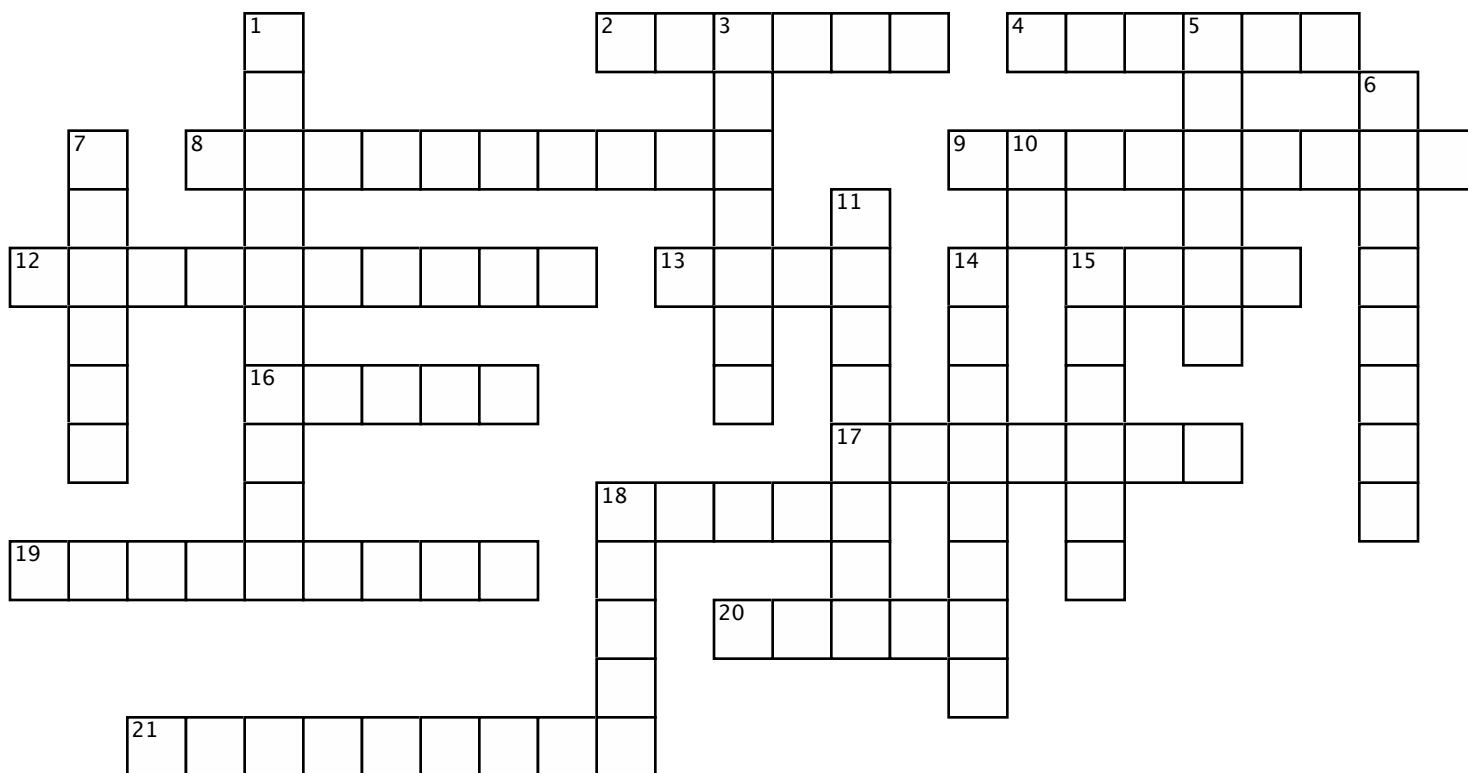


YMS Chapter 2: The Normal Distributions

AP Statistics at LSHS

Mr. Molesky



Across

2. Another name for a standardized value of an observation in a normal distribution
4. Normal distributions are good approximations of _ outcomes.
8. Area under a density curve corresponds to the _ of observations.
9. Another name for 68-95-99.7 Rule
12. Points at which a change in curvature takes place on a normal curve.
13. The Standard Normal Table reports areas to the _ of z.
15. Point at which a density curve would balance.
16. 99.7% of observations in a normal distribution fall within _ standard deviations of the mean.
17. Smooth curve that idealizes a distribution and has area=1: _ Curve
18. Greek letter that represents standard deviation
19. Normal distributions are _, not skewed
20. Idealized description of a distribution: Mathematical _
21. Common name for a normal distribution

Down

1. Percent of distribution to the left of an observation
3. Solutions to statistical problems should always be written in _
5. Symmetric, bell-shaped distribution.
6. Another name for the Normal Distribution-named after a mathematician.
7. Approximately normal distributions have approximately _ quantile plots.
10. Greek letter that represents mean
11. Normal distribution $N(1,0)$: _ Normal Distribution
14. Another name for a Normal Probability Plot: Normal _ Plot
15. Point that determines "equal areas" under a density curve.
18. When working a normal distribution problem, always sketch and _