

Probability and Statistics Week 4 Day 16-17 Monday B Day/Tuesday A Day

Standards:	<p>PS.SPMD.1: Develop the probability distribution for a random variable defined for a sample space in which a theoretical probability can be calculated and graph the distribution.</p> <p>PS.SPMD.2: Calculate the expected value of a random variable as the mean of its probability distribution. Find expected values by assigning probabilities to payoff values. Use expected values to evaluate and compare strategies in real-world scenarios.</p>
Learning Targets/ I can statements:	<ul style="list-style-type: none">● I can find the probability for binomial distribution● I can calculate mean, variance and standard deviation
Essential Questions:	How to find the probability for binomial distribution; mean, variance and standard deviation of a binomial probability distribution?
Resources	<p>https://www.khanacademy.org/math/statistics-probability/random-variables-stats-library/binomial-random-variables/v/binomial-distribution</p> <p>PowerPoint (Binomial Probability Distribution)</p>

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	Assignment (Finding the probability for the binomial distribution)
Learning Activities or Experiences	<ol style="list-style-type: none">1. Students watch the video 1 from the Khan Academy and take notes.2. Students Review the PowerPoint attached and do problems.3. Students do the needed tasks on the assignment (attached). Students send the completed work back for grading through Microsoft 365 group

I attach the PowerPoint and the assignment students need to complete and send back to teacher. Students receive a class work grade for the assignment completion