

Task Background	
Domain & Area: Mathematics - Statistics & Probabilities	
<p>Target CCR Standard(s) (including level of standard, if needed) and/or adult diploma competency for Science or Social Studies:</p> <p>Statistics and Probability (MN k-12 Academic Standards: ABE instruction in Levels D and E covering Statistics and Probability (Demonstrated competency mastery in all Level D standards and at least one Level E standard in the CCRS for Statistics and Probability).</p> <p>CCRS Statistics and Probability Level D standards</p> <ol style="list-style-type: none"> 1. Summarize and describe distributions. 2. Use random sampling to draw inferences about a population. 3. Draw informal comparative inferences about two populations. 4. Investigate chance processes and develop, use, and evaluate probability models. 5. Investigate patterns of association in bivariate data. <p>CCRS Statistics and Probability Level E standard</p> <ol style="list-style-type: none"> 1. <u>Summarize, represent, and interpret data on a single count or measurable variable.</u> Represent data with plots on the real number line (dot plots, histograms, and box plots). (S.ID.1) [Also see 6.SP.4 and 8.SP.1] -Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers). (S.ID.3) [Also see 7.SP.4] 2. <u>Summarize, represent, and interpret data on two categorical and quantitative variables.</u> Summarize categorical data for two categories in two-way frequency tables. Interpret relative frequencies in the context of the data (including joint, marginal, and conditional relative frequencies). Recognize possible associations and trends in the data. (S.ID.5) [Also see 8.SP.4] 	
<p>Task Description: The purpose of this task is for you to demonstrate knowledge around a fundamental concept in the area of mathematics - Statistics & Probabilities.</p> <p>Follow the directions for the capstone activity carefully. The expectation is that you will complete the activities of this task mostly on your own.</p>	
Activities	
<p>Title: Stats & Probability Capstone</p>	<p>Directions: Answer all questions completely and show your work.</p> <p>Date Completed: _____</p> <p>Teacher Initials: _____</p>

