***Unit 4 Samples and Variation***

***Math Toolkit Entries***

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|  | * What does the standard deviation measure and how is it calculated? * Compare standard deviation, IQR and range. How are they similar and different? * Which measures of variation are resistant to outliers and why? * What is the ***variance*** of a set of data and how is the variance related to standard deviation? |
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|  | * Describe the normal distribution. * Illustrate with a sketch indicating the percentages of the data within each standard deviation. * How are all normal distributions the same and how are they different? |

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