

Math ISAT: Data Analysis, Probability, Statistics

Skills: Statistical Measurements

Students:	RIT Above 260: <ul style="list-style-type: none">• <i>No Skills Listed</i>
Students:	RIT 251-260: <ul style="list-style-type: none">• Solves complex problems involving mean• Computes and compares mean, median, mode, and range in simple examples to demonstrate that they may differ for a given set of data• Evaluates how adding data to a set of data affects the measures of center• Uses the regression line method to make predictions
Students:	RIT 241-250: <ul style="list-style-type: none">• Determines the mean, median, and/or mode of a set of data• Determines the range of a complex set of data• Predicts from an analysis of data and statistical measures
Students:	RIT 231-240: <ul style="list-style-type: none">• Determines the mean of a complex set of data (e.g., fractions, integers, many data points)• Determines the median from a complex set of data (e.g., not in order, many data points)• Estimates the mean from a set of data• Determines the range of a complex set of data• Solves problems with missing data when the mean is known• Estimates line of best fit to make predictions• Identifies outliers on a data display (e.g., uses interquartile range to identify outliers on a box-and-whisker plot)• Predicts from an analysis of data and statistical measures
Students:	RIT 221-230: <ul style="list-style-type: none">• Determines the average (mean) of a simple set of data• Determines the middle value (median) from a simple set of data• Determines the mean of a complex set of data (e.g., fractions, integers, many data points)• Determines the mode of a set of data• Estimates the mean from a set of data• Solves simple problems involving mean• Explains rationale for determining the mean, median, or mode of a set of data• Solves problems with missing data when the mean is known
Students:	RIT 211-220: <ul style="list-style-type: none">• Determines the average (mean) of a simple set of data• Solves simple problems involving mean
Students:	RIT 201-210: <ul style="list-style-type: none">• <i>No Skills Listed</i>
Students:	RIT 191-200: <ul style="list-style-type: none">• <i>No Skills Listed</i>
Students:	RIT 181-190: <ul style="list-style-type: none">• <i>No Skills Listed</i>
Students:	RIT 171-180: <ul style="list-style-type: none">• <i>No Skills Listed</i>
Students:	RIT Below 171: <ul style="list-style-type: none">• <i>No Skills Listed</i>