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| **MT: Statistics and Probability** |
|  | **Learn** | **Practice** |
| **Target 1:** Recognize that a measure of center for a numerical data set summarizes all of its values with a single number, while a measure of variation describes how its values vary with a single number. (M.6.SP.3) | * <http://quizlet.com/39957818/statistics-6sp3-flash-cards/>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-statistics/v/statistics-intro--mean--median-and-mode><http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-statistics/v/statistical-questions>
* <http://www.youtube.com/watch?v=H10rwoozHTk>
* <http://www.youtube.com/watch?v=Zw-U4j4_UD8>
* <http://www.youtube.com/watch?v=YRBICgusoe8>
* <http://www.youtube.com/watch?v=6fbkkj5ZZ4U>
* <http://www.illustrativemathematics.org/illustrations/703>
* <http://www.youtube.com/embed/dfct9PET6lY>
* <http://www.youtube.com/watch?v=ReSuQ5pf8H0>
* <http://www.youtube.com/watch?v=GOWvzS0YMUE>
* <http://www.youtube.com/watch?v=H10rwoozHTk>
* <http://www.youtube.com/watch?v=ReSuQ5pf8H0>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-statistics/v/mean-median-and-mode>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-statistics/v/exploring-mean-and-median-module>
* <http://learnzillion.com/lessons/2482-find-the-mean-by-equally-distributing-objects>
* <http://learnzillion.com/lessons/2758-find-the-median-by-elimination>
* <http://learnzillion.com/lessons/2772-find-range-using-graphs-and-charts>
* <http://learnzillion.com/lessons/3109-describe-the-shape-of-a-dot-plot>
* <http://www.youtube.com/embed/be6H0gcCYD0>
* <http://www.census.gov/2010census/mediacenter/census-data/center-population.php>
* <http://stattrek.com/statistics/charts/data-patterns.aspx>
* <http://www.mathgoodies.com/lessons/vol8/median.html>
* <http://www.mathgoodies.com/lessons/vol8/mode.html>
* <http://stattrek.com/statistics/charts/compare-data-sets.aspx?tutorial=ap>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-statistics/v/mean-median-and-mode>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-statistics/v/exploring-mean-and-median-module>
* <http://learnzillion.com/lessons/3264-identify-clusters-peaks-and-gaps-in-a-dot-plot>
* <http://learnzillion.com/lessons/3383-express-mean-median-and-mode>
* <http://learnzillion.com/lessons/3491-distinguish-between-measure-of-center-and-measure-of-variance>
* <http://learnzillion.com/lessons/3586-solve-a-realworld-problem-involving-measures-of-center-and-variance>
* <http://www.youtube.com/embed/VpQVQv5DSe8>
* <http://www.youtube.com/embed/wNamjO-JzUg>
* <http://www.youtube.com/embed/pADOt1tzi2o>
* <http://learnzillion.com/lessons/3264-identify-clusters-peaks-and-gaps-in-a-dot-plot>
* <http://learnzillion.com/lessons/3383-express-mean-median-and-mode>
* <http://learnzillion.com/lessons/3491-distinguish-between-measure-of-center-and-measure-of-variance>
* <http://learnzillion.com/lessons/3586-solve-a-realworld-problem-involving-measures-of-center-and-variance>
* <http://www.youtube.com/embed/VpQVQv5DSe8>
* <http://www.youtube.com/embed/wNamjO-JzUg>
* <http://www.youtube.com/embed/z9AJk7TvdpQ>
* <http://www.youtube.com/embed/-nt82wZ2YJo>
* <http://www.youtube.com/embed/9xxbLT4n0jQ>
 | * <http://www.commoncoresheets.com/Math/Statistics/Finding%20Statistical%20Questions/1.pdf>
* <http://www.commoncoresheets.com/Math/Statistics/Finding%20Statistical%20Questions/2.pdf>
* <http://www.commoncoresheets.com/Math/Statistics/Finding%20Statistical%20Questions/3.pdf>
* <http://www.ixl.com/math/grade-6/identify-representative-random-and-biased-samples>
* <http://www.illustrativemathematics.org/illustrations/703><http://www.commoncoresheets.com/Math/Statistics/Finding%20Statistical%20Questions/1.pdf>
* <http://www.commoncoresheets.com/Math/Statistics/Finding%20Statistical%20Questions/2.pdf>
* <http://www.commoncoresheets.com/Math/Statistics/Finding%20Statistical%20Questions/3.pdf>
* <http://www.oercommons.org/courses/buttons-statistical-questions/view>
* <http://www.ixl.com/math/grade-6/identify-representative-random-and-biased-samples>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-statistics/e/mean_median_and_mode>
* <http://www.mathgoodies.com/lessons/vol8/median.html>
* <http://www.mathgoodies.com/lessons/vol8/mode.html>
* <http://stattrek.com/statistics/charts/compare-data-sets.aspx?tutorial=ap>
* <http://www.ixl.com/math/grade-8/interpret-charts-to-find-mean-median-mode-and-range>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-statistics/e/mean_median_and_mode>
* <http://www.khanacademy.org/math/cc-seventh-grade-math/cc-7th-probability-statistics/cc-7th-central-tendency/e/average_word_problems>
* <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/6/A/A6A2.swf>
* <http://www.quia.com/rr/51667.html>
* <http://www.webquest.hawaii.edu/kahihi/webquests/math/grade6/MA6.12.1measuresofcenter/intro.php>
* <http://www.ixl.com/math/grade-6/calculate-mean-median-mode-and-range>
* <http://www.ixl.com/math/grade-8/calculate-mean-median-mode-and-range>
* <http://www.ixl.com/math/grade-8/interpret-charts-to-find-mean-median-mode-and-range>
* <http://www.ixl.com/math/grade-7/calculate-mean-median-mode-and-range>
* <http://www.ixl.com/math/grade-7/interpret-charts-to-find-mean-median-mode-and-range>
* <http://www.commoncoresheets.com/Math/Cheat%20Sheet/Statistics/1.pdf>
* <http://www.commoncoresheets.com/Math/Statistics/Examining%20Data%20Sets/1.pdf>
* <http://www.commoncoresheets.com/Math/Statistics/Examining%20Data%20Sets/3.pdf>
* <http://www.proprofs.com/quiz-school/story.php?title=mean-absolute-deviation>
* <http://www.ixl.com/math/grade-8/quartiles>
* <http://www.commoncoresheets.com/Math/Cheat%20Sheet/Statistics/1.pdf>
* <http://www.commoncoresheets.com/Math/Statistics/Examining%20Data%20Sets/1.pdf>
* <http://www.commoncoresheets.com/Math/Statistics/Examining%20Data%20Sets/3.pdf>
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| **Target 2:** Giving quantitative measures of center (median and/or mean) and variability (interquartile range and/or mean absolute deviation), as well as describing any overall pattern and any striking deviations from the overall pattern with reference to the context in which the data were gathered. (M.6.SP.5c) | * <http://quizlet.com/39958360/statistics-6rp5c-flash-cards/>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-tables/v/reading-tables-1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-tables/v/reading-tables-2>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-bar-charts/v/reading-bar-charts-1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-bar-charts/v/reading-bar-charts-2>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-line-picto-graphs/v/reading-pictographs>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-line-picto-graphs/v/u08-l1-t2-we2-reading-line-graphs>
* <http://www.khanacademy.org/math/arithmetic/applying-math-reasoning-topic/reading_data/v/histograms>
* <http://learnzillion.com/lessons/542-determine-the-number-of-observation-in-a-set-of-data-by-looking-at-histograms-and-line-plots>
* <http://www.youtube.com/embed/HCDe14HKu-Y>
* <http://www.glencoe.com/sites/common_assets/mathematics/mc2/cim/interactive_labs/M2_02/M2_02_dev_100.html>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-tables/v/reading-tables-1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-tables/v/reading-tables-2>
* <http://learnzillion.com/lessons/542-determine-the-number-of-observation-in-a-set-of-data-by-looking-at-histograms-and-line-plots>
* <http://learnzillion.com/lessons/543-describe-attributes-of-a-data-set-by-analyzing-line-plots-histograms-and-box-plots>
* <http://www.youtube.com/embed/HCDe14HKu-Y>
* <http://www.glencoe.com/sites/common_assets/mathematics/mc2/cim/interactive_labs/M2_02/M2_02_dev_100.html>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/v/reading-box-and-whisker-plots>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/v/constructing-a-box-and-whisker-plot>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/v/box-and-whisker-plots>
* <http://www.youtube.com/embed/pADOt1tzi2o>
* <http://www.youtube.com/embed/9YLIiWb_NYk>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/v/reading-box-and-whisker-plots>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/v/constructing-a-box-and-whisker-plot>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/v/box-and-whisker-plots>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/v/range-and-mid-range>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-bar-charts/v/reading-bar-charts-3>
* <http://learnzillion.com/lessons/544-describe-the-spread-of-data-by-finding-range-interquartile-range-and-mean-absolute-deviation>
* <http://www.youtube.com/embed/DGAXeX42eoE>
* <http://www.youtube.com/embed/z9AJk7TvdpQ>
* <http://www.youtube.com/embed/9xxbLT4n0jQ>
* <http://onlinestatbook.com/2/summarizing_distributions/variability.html>
* <http://stattrek.com/descriptive-statistics/variability.aspx>
* <http://www.learnalberta.ca/content/mejhm/index.html?l=0&ID1=AB.MATH.JR.STAT&ID2=AB.MATH.JR.STAT.CENT&lesson=html/video_interactives/centralTendency/centralTendencysmall.html>
* <http://www.youtube.com/watch?v=XVP4seIzW-U>
* <http://www.youtube.com/watch?v=gYTwioS4mbo>
* <http://www.youtube.com/watch?v=_dE1zDbFAbQ>
* <http://www.youtube.com/watch?v=4XEZFOXk5v8>
 | * <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-tables/e/reading_tables_1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-tables/e/reading_tables_2>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-bar-charts/e/reading_bar_charts_1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-bar-charts/e/reading_bar_charts_2>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-line-picto-graphs/e/reading_pictographs_1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-line-picto-graphs/e/reading_pictographs_2>
* <http://www.glencoe.com/sites/common_assets/mathematics/mc2/cim/interactive_labs/M2_02/M2_02_dev_100.html>
* <http://www.mrnussbaumpremium.com/professorn/math/boxandwhisker.htm>
* <http://www.learner.org/courses/learningmath/data/session3/part_a/grouping.html>
* <http://www.ixl.com/math/grade-6/interpret-line-graphs>
* <http://www.ixl.com/math/grade-7/interpret-tables>
* <http://www.ixl.com/math/grade-7/interpret-line-plots>
* <http://www.ixl.com/math/grade-7/interpret-bar-graphs>
* <http://www.ixl.com/math/grade-7/interpret-histograms>
* <http://www.ixl.com/math/grade-7/interpret-circle-graphs>
* <http://www.ixl.com/math/grade-7/interpret-line-graphs>
* <http://www.ixl.com/math/grade-7/interpret-box-and-whisker-plots>
* <http://www.ixl.com/math/grade-6/interpret-double-line-graphs>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-tables/e/reading_tables_1>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-tables/e/reading_tables_2>
* <http://www.glencoe.com/sites/common_assets/mathematics/mc2/cim/interactive_labs/M2_02/M2_02_dev_100.html>
* <http://www.ixl.com/math/grade-6/interpret-charts-to-find-mean-median-mode-and-range>
* <http://illuminations.nctm.org/ActivityDetail.aspx?ID=220>
* <http://www.ixl.com/math/grade-6/interpret-line-graphs>
* <http://www.shodor.org/interactivate/activities/NormalDistribution/>
* <http://www.ixl.com/math/grade-7/interpret-tables>
* <http://www.ixl.com/math/grade-7/interpret-line-plots>
* <http://www.ixl.com/math/grade-7/interpret-bar-graphs>
* <http://www.ixl.com/math/grade-7/interpret-histograms>
* <http://www.ixl.com/math/grade-7/interpret-circle-graphs>
* <http://www.ixl.com/math/grade-7/interpret-line-graphs>
* <http://www.ixl.com/math/grade-7/interpret-box-and-whisker-plots>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/e/creating_box_and_whisker_plots>
* <http://www.ixl.com/math/grade-6/interpret-charts-to-find-mean-median-mode-and-range>
* <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/6/A/A6A2.swf>
* <http://www.ixl.com/math/grade-7/calculate-mean-median-mode-and-range>
* <http://www.quia.com/rr/51667.html>
* <http://www.webquest.hawaii.edu/kahihi/webquests/math/grade6/MA6.12.1measuresofcenter/intro.php>
* <http://www.commoncoresheets.com/Math/Statistics/Examining%20Data%20Sets/1.pdf>
* <http://www.commoncoresheets.com/Math/Statistics/Examining%20Data%20Sets/3.pdf><http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-box-whisker-plots/e/creating_box_and_whisker_plots>
* <http://www.khanacademy.org/math/cc-sixth-grade-math/cc-6th-data-statistics/cc-6th-bar-charts/e/reading_bar_charts_3>
* <http://www.learnalberta.ca/content/mec/flash/index.html?url=Data/6/A/A6A2.swf>
* <http://www2.webster.edu/~woolflm/variability.html>
* <http://stattrek.com/descriptive-statistics/variability.aspx>
* <http://www.learnalberta.ca/content/mejhm/index.html?l=0&ID1=AB.MATH.JR.STAT&ID2=AB.MATH.JR.STAT.CENT&lesson=html/object_interactives/central_tendency/use_it.html>
* <http://www.regentsprep.org/Regents/math/algtrig/ATS1/SurveyPractice.htm>
* <http://www.studyzone.org/mtestprep/math8/a/central_tendency7p.cfm>
* <http://stattrek.com/descriptive-statistics/central-tendency.aspx>
 |
| **Target 3:** Summarize numerical data sets in relation to their context, such as by: Relating the choice of measures of center and variability to the shape of the data distribution and the context in which the data were gathered. (M.6.SP.5d) | * <http://quizlet.com/39958680/statistics-6sp5d-flash-cards/>
* <http://www.youtube.com/watch?v=XVP4seIzW-U>
* <http://www.youtube.com/watch?v=9aDHbRb4Bf8>
* <http://www.youtube.com/watch?v=zdvgLGbN51E>
* <http://www.youtube.com/watch?v=pADOt1tzi2o&list=PL7FC5113A680DADF7>
* <http://www.youtube.com/watch?v=fHUlKAOF2h0&list=PL7FC5113A680DADF7>
* <http://www.mathsisfun.com/data/outliers.html>
* <http://www.youtube.com/watch?v=zdvgLGbN51E>
* <http://www.youtube.com/watch?v=fg70wcEiw6k>
* <http://www.youtube.com/watch?v=1HjLY1tc508>
* <http://www.youtube.com/watch?v=30wrS2TEXFM>
* <http://www.youtube.com/watch?v=MOKTq8dM6G4&list=PL7FC5113A680DADF7>
* <http://www.youtube.com/watch?v=fHUlKAOF2h0&list=PL7FC5113A680DADF7>
* [http://web.archive.org/web/20071020045219/http:/regentsprep.org/Regents/math/data/boxwhisk.htm](http://web.archive.org/web/20071020045219/http%3A/regentsprep.org/Regents/math/data/boxwhisk.htm)
* <http://www.mathsisfun.com/data/outliers.html>
* <http://www.youtube.com/embed/be6H0gcCYD0>
* <http://www.youtube.com/watch?v=WaJ25D4sumA>
* <http://www.youtube.com/watch?v=30wrS2TEXFM>
* <http://www.youtube.com/watch?v=fHUlKAOF2h0&list=PL7FC5113A680DADF7>
* <http://www.youtube.com/watch?v=oaFKTrD_fZk&list=PL7FC5113A680DADF7>
* <http://www.illustrativemathematics.org/illustrations/1199>
* <http://learnzillion.com/lessons/3800-choose-the-best-measure-of-center-and-variability>
* <http://www.youtube.com/embed/be6H0gcCYD0>
* <http://www.youtube.com/watch?v=WaJ25D4sumA>
* <http://www.youtube.com/watch?v=F6zcGSY15Vw>
* <http://www.youtube.com/watch?v=F9Ntevb0HwA>
 | * <http://www.icoachmath.com/problems/problemslink.aspx?search=outlier&grade=0>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079>
* <http://www.mathopolis.com/questions/q.php?id=3076&site=1&ref=/data/outliers.html&qs=3076_3077_3078_3806_3807_3808_3809_8773_8774_3079><http://illuminations.nctm.org/tools/sampling/app_distribution.swf>
* <http://www.learnalberta.ca/content/mejhm/index.html?l=0&ID1=AB.MATH.JR.STAT&ID2=AB.MATH.JR.STAT.CENT&lesson=html/video_interactives/centralTendency/centralTendencyInteractive.html>
* <http://www.illustrativemathematics.org/illustrations/1199>
* <http://www.mathworksheetsland.com/6/43datadis/ip.pdf>
* <http://www.learnalberta.ca/content/mejhm/index.html?l=0&ID1=AB.MATH.JR.STAT&ID2=AB.MATH.JR.STAT.CENT&lesson=html/video_interactives/centralTendency/centralTendencyInteractive.html>
 |