

EOC Review- Unit 4: Statistics 2017

Schoolnet Practice

| Standard | Summary | Practice Problems |
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| S-ID.1 | Represent data with plots on the real number line (dot plots, histograms, and box plots). | #1-8, 11, 12, 20, 30, 31, 46 |
| S-ID.2 | Use statistics appropriate to the shape of the data distribution to compare center (median, mean) and spread (interquartile range, standard deviation) of two or more different data sets. | #1,3-6, 8, 9, 12, 13, 15, 17-19, 27, 28, 36, 42, 44 |
| S-ID.3 | Interpret differences in shape, center, and spread in the context of the data sets, accounting for possible effects of extreme data points (outliers). | #1,2, 3, 11, 14, 17, 23, 32, 41, 51, 52, 58, 62, 65, 66 |
| S-ID.6 | Represent data on two quantitative variables on a scatter plot, and describe how the variables are related. Fit a function to the data; use functions fitted to data to solve problems in the context of the data. Use given functions or choose a function suggested by the context. Informally assess the fit of a function by plotting and analyzing residuals. | #1, 3, 4,6-9, 11, 15, 19, 23, 24, 26, 31, 33, 50, 61, 78 |
| S-ID.7 | Interpret the slope (rate of change) and the intercept (constant term) of a linear model in the context of the data. | #1, 3, 5, 8-11, 16, 18, 20, 22, 26, 28, 30, 32, 35, 40 |
| S-ID.8 | Compute (using technology) and interpret the correlation coefficient of a linear fit. | #1,2, 6, 7, 14, 16, 19, 21, 23, 31, 47 |
| S-ID.9 | Distinguish between correlation and causation. | #2, 3, 5, 6, 7, 8, 10, 12, 14, 15, 17, 21, 22 |