

LEARNING JOURNEY

Level	Task Description
3-4	Calculate mean, median and mode for discrete and grouped data. Estimate mean from grouped data
4-6 (H)	Calculate weighted mean, geometric mean
7-8 (H)	Use interpolation to calculate an estimate for the median from histograms and grouped frequency tables.
4-5	Understand the effect on the mean, mode and median with transformed data. Justify rationale for selecting appropriate types of averages in context.
4-5	Calculate different measures of spread; range, quartiles, interquartile range. Compare different data sets using appropriate calculated or given measure of spread and central tendency
6-7 (H)	Calculate the interpercentile and interdecile range. Calculate standard deviation for discrete and continuous data.
4-5	Construct, use and interpret box plots from summary statistics and cumulative frequency graphs. Use box plots as a method to compare data.
5-6	Identify outliers by inspection Calculate outliers (H) Comment on outliers with reference to the original data
5-7	Use calculated values or given measures of spread and tendency to compare data samples and to compare sample data with population data
6	Determine skew by inspection Determine skew by calculation (H)