Learning Journey – Statistical Diagrams

Reference	Content	Review		
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SP2.1	Using Tables and Charts *(Grade 1)* • Interpret and construct tables, charts and diagrams, including frequency tables, bar charts and pictograms for categorical data • Interpret, analyse and compare the distributions of data sets from univariate empirical distributions through appropriate graphical representation involving discrete data			
SP2.2	Stem & Leaf Diagrams *(Grade 1)* • Interpret, analyse and compare the distributions of data sets from univariate empirical distributions through appropriate graphical representation involving discrete data • Find and use the Mean, Median, Mode and Range from a stem and leaf diagram • Perform percentage calculations from data obtained from a stem and leaf diagram *Note: Stem and leaf diagrams and frequency polygons have been omitted from GCSE from 2015*			
SP2.3	Vertical line charts *(Grade 2/3)* • Interpret and construct vertical line charts for ungrouped discrete numerical data, tables and line graphs for time series data and know their appropriate use • Interpret, analyse and compare the distributions of data sets from univariate empirical distributions through appropriate graphical representation involving discrete data			
SP2.4	Pie Charts *(Grade 3/4)* • Interpret and construct pie charts and know their appropriate use • Interpret, analyse and compare the distributions of data sets from univariate empirical distributions through appropriate graphical representation involving discrete data			

SP2.5	**Displaying grouped data** *(Grade 3/4)* • Interpret, analyse and compare the distributions of data sets from univariate empirical distributions through appropriate graphical representation involving continuous and grouped data, such as a histogram with equal class intervals.			
SP2.6	**Scatter Diagrams** *(Grade 3/4)* • Use and interpret scatter graphs of bivariate data; recognise correlation; draw estimated lines of best fit.			
SP2.7	**Using lines of best fit** *(Grade 4/5)* • Use and interpret scatter graphs of bivariate data; recognise correlation and know that it does not indicate causation, draw estimated lines of best fit; Make predictions interpolate and extrapolate apparent trends while knowing the dangers of so doing. • Include consideration of outlers			
SP2.8	**Histograms** *(Grade 7)* • Construct and interpret diagrams for grouped discrete data and continuous data, i.e. histograms with equal and unequal class intervals and know their appropriate use.			