

Chapter 1- Investigating Data Distributions

Skills Checklist

Skill....	Exercise	Yes/No
I can identify types of data	Ex 1a	
I can construct a frequency table for categorical data.	Ex 1b	
I can construct a bar chart from a frequency table.	Ex 1b	
I can describe the distribution of a categorical variable.	Ex 1b	
I can construct a percentage segmented bar chart from a frequency table	Ex 1b	
I can construct a frequency table for discrete numerical data.	Ex 1c	
I can construct a grouped frequency table.	Ex 1c	
I can construct a histogram from a grouped frequency table.	Ex 1c	
I can describe the features of a distribution from a histogram.	Ex 1c	
I can construct a dot plot.	Ex 1d	
I can construct a stem plot.	Ex 1d	
I can use a CAS calculator to find logs	Ex 1e	
I can interpret a histogram with a log scale	Ex 1e	
I can find the median value in a data set	Ex 1f	
I can find the median value from a dot plot	Ex 1f	
I can find the median value from a stem plot	Ex 1f	
I can find the range from a stem plot	Ex 1f	
I can find the IQR from a stem plot when n is even	Ex 1f	
I can find the IQR from a stem plot when n is odd	Ex 1f	
I can calculate the mean using the formula	Ex 1f	
I can calculate the mean and the standard deviation using the CAS calculator	Ex 1f	
I can construct a boxplot from a five number summary	Ex 1g	
I can construct a boxplot with outliers from data using the CAS calculator	Ex 1g	
I can read values from a boxplot	Ex 1g	
I estimate percentages from a boxplot	Ex 1g	
I can use boxplots to describe a distribution without outliers	Ex 1g	
I can use boxplots to answer statistical questions	Ex 1g	
I can apply the 68-95-99.7% rule	Ex 1h	
I can calculate standardised scores	Ex 1h	
I can use standardised scores to make comparisons	Ex 1h	
I can use standard scores to determine percentages	Ex 1h	
I can convert standardised scores to actual scores	Ex 1h	

I can solve for the values of the mean and standard deviation	Ex 1h	