Statistics Revision Checklist

Topic	Unit	Sub-topic	☹	😐	☺	Revised
1. Data collection	1.1	Populations and samples				
	1.2	Sampling				
	1.3	Non-random sampling				
	1.4	Types of data				
	1.5	The large data set				
2. Measures of location and spread	2.1	Measures of central tendency				
	2.2	Other measures of location				
	2.3	Measures of spread				
	2.4	Variance and standard deviation				
	2.5	Coding				
3. Representations of data	3.1	Outliers				
	3.2	Box plots				
	3.3	Cumulative frequency				
	3.4	Histograms				
	3.5	Comparing data				
4. Correlation	4.1	Correlation				
	4.2	Linear regression				
5. Probability	5.1	Calculating probabilities				
	5.2	Venn diagrams				
	5.3	Mutually exclusive and independent events				
	5.4	Tree diagrams				
6. Statistical distributions	6.1	Probability distributions				
	6.2	The binomial distribution				
	6.3	Cumulative probabilities				
7. Hypothesis testing	7.1	Hypothesis testing				
	7.2	Finding critical values				
	7.3	One-tailed tests				
	7.4	Two-tailed tests				

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1. Regression, correlation and hypothesis testing	1.1	Exponential models				
	1.2	Measuring correlation				
	1.3	Hypothesis testing for zero correlation				
2. Conditional probability	2.1	Set notation				
	2.2	Conditional probability				
	2.3	Conditional probabilities in Venn diagrams				
	2.4	Probability formulae				
	2.5	Tree diagrams				
3. The normal distribution	3.1	The normal distribution				
	3.2	Finding probabilities for normal distributions				
	3.3	The inverse normal distribution function				
	3.4	The standard normal distribution				
	3.5	Finding μ and σ				
	3.6	Approximating a binomial distribution				
	3.7	Hypothesis testing with the normal distribution				