

AQA Paper 1		Analysis of Data		Dave Gale	
✓	Numerical		✓	Data	
	Mean from list			Qualitative and Quantitative	
	Mean from frequency table			Discrete and Continuous	
	Mean from grouped frequency table			Primary and Secondary	
	Median from list		✓	Sampling	
	Median from frequency table			The term 'population'	
	Median from grouped frequency table			What is a census?	
	Median from Cumulative freq graph			Concept of what sampling is	
	Median from Box plot			Why do we sample?	
	Median from Stem and Leaf diagram			Limitations of sampling	
	Mode from list			Concept of bias	
	Mode from frequency table			Pro and Con of larger sample	
	Mode from grouped frequency table			Simple random sampling	
	LQ,UQ,IQR from list			Cluster sampling	
	LQ,UQ,IQR from frequency table			Stratified sampling	
	LQ,UQ,IQR from grouped freq table			Quota sampling	
	LQ,UQ,IQR from Cumulative freq graph			Convenience sampling	
	LQ,UQ,IQR from Box plot		✓	Diagrammatical	
	Finding percentiles (eg 90th percentile)			Plot a histogram	
	Range from list			Be confident with frequency density	
	Range from tables			Read from a histogram	
	Standard Deviation from list			Area of the bar is proportional to frequency	
	Standard Deviation from frequency table			Plot cumulative frequency (at upper bounds)	
	Standard Deviation from grouped freq table			Read from a cumulative frequency	
	Interpret all of the above in context			Plot box plots	
	Compare data sets using the above			Compare two box plots	
				Read stem and leaf diagrams	

Finance					
✓	Calculations		✓	Interest rates	
	Substitute into financial expressions			Compound interest	
	Basic banking terms			Savings calculations	
	Order of operations			Annual Equivalent Rate (AER)	
	Rounding		✓	Loans and Repayments	
	Truncating			Student loans	
	Error intervals			Mortgages	
✓	Percentages			Annual Percentage Rate (APR)	
	Percentage to decimal		✓	Graphical	
	Express one number as a % of another			Interpreting financial graphs	
	Work with % over 100%		✓	Taxation	
	Percentage inc/dec			Income Tax	
	Reverse %			Personal Allowance for over £100 000	
	Simple interest			National Insurance - Annually	
	Compound interest			National Insurance - Monthly	
✓	Financial problems			Annual Salary	
	Inflation - Retail Price Index (RPI)			Gross	
	Inflation - Consumer Price Index (CPI)			Net	
	Other price indexing			'Take-home' pay	
	Exchange rates inc commission			Value Added Tax (VAT)	
	Concepts of budgeting				

✓	Estimation
	Make/state assumptions
	Make/state simplifications
	Interpret results in context
	Effect of changing an assumption
	The preliminary material

✓	Spreadsheets
	Formulae start with an = sign
	How to reference cells like B3
	Adding cells together
	Multiplying cells
	Dividing cells
	Use of the 'SUM' function