

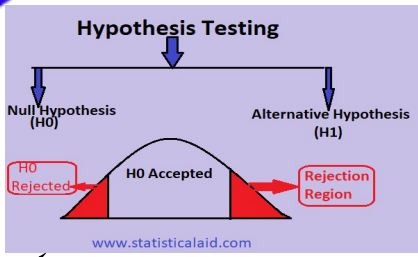
Year 12 Applied Statistics & Mechanics



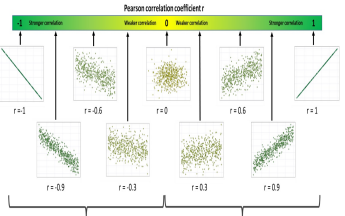
integral



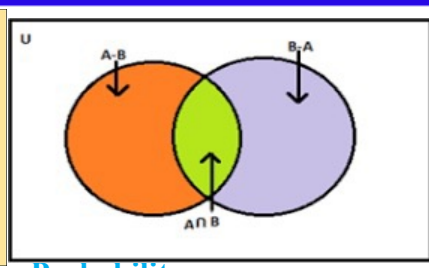
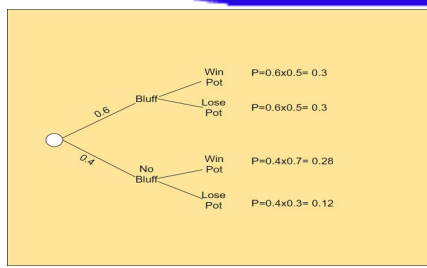
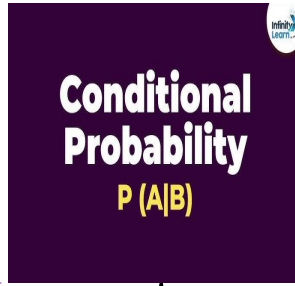
LEARNING JOURNEY



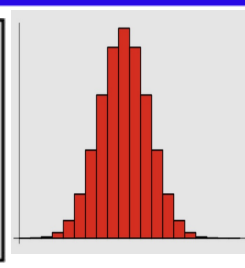
Hypothesis testing



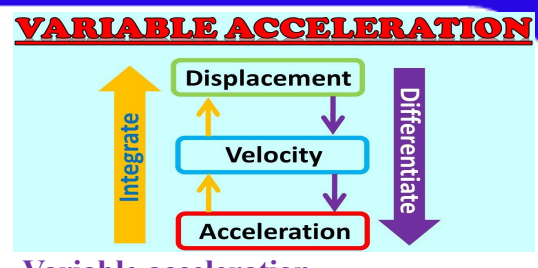
Regression, correlation and hypothesis testing



Probability



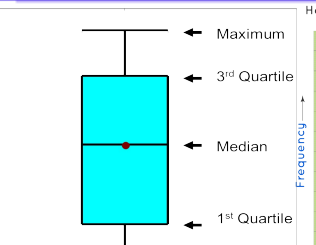
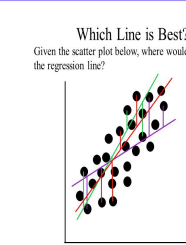
Statistical distribution



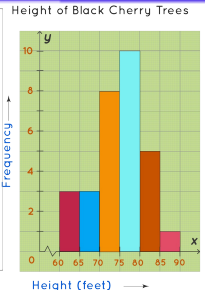
Variable acceleration

Correlation

Linear Regression

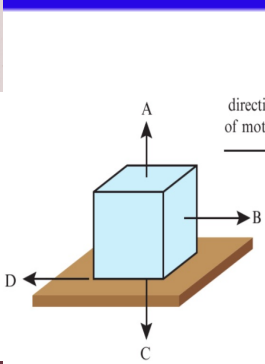
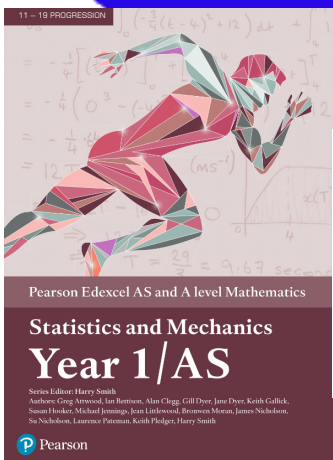


Representation of data

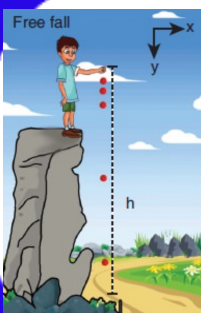
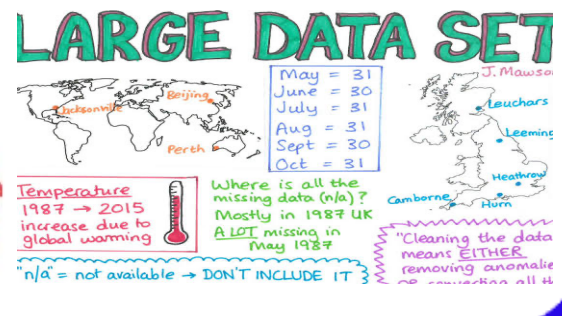
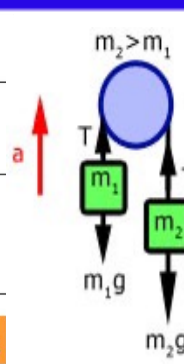


Measures of location & spread

VARIANCE	STANDARD DEVIATION
MEAN	MODE
RANGE	MEAN/AVERAGE DEVIATION



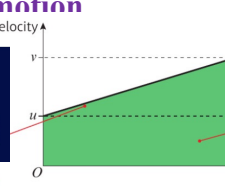
$$v = u + at$$
$$s = \frac{1}{2}(v + u)t$$
$$s = ut + \frac{1}{2}at^2$$
$$v^2 = u^2 + 2as$$



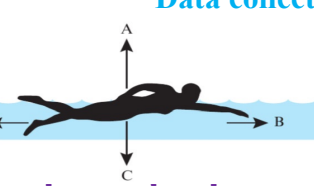
Forces & motion

SUVAT EQUATIONS

Constant acceleration



Modelling in mechanics



Data collection

