

Pearson Edexcel International Advanced Subsidiary in Biology (XBI11)

Pearson Edexcel International Advanced Level in Biology (YBI11)

Mathematical Skills: clarification on assessing statistics in examinations

11 February 2022

Below is a clarification of where statistics is assessed in International Advanced Subsidiary (IAS) and International Advanced Levels (IAL) Biology examinations.

This clarification will be included in the next issue of the specification in due course.

International Advanced Subsidiary Biology (Units 1, 2 & 3)	International Advanced Level Biology (Units 4, 5 & 6)
	All IAS material can be assessed at IA2
Averages, i.e. mean, median and mode	
Measures of dispersion, e.g. range, standard deviation	
Select and justify a particular statistical test, e.g. that chi squared can be used to compare observed to expected outcomes	
Simple interpretation of correlation coefficients, e.g. the closer the correlation coefficient to 1 the stronger the correlation	
	Use an appropriate statistical test, i.e. manipulate data and substitute into given expressions for chi squared, t-test or correlation
	Use results of a statistical test, along with p values, to test a hypothesis