Features of Quality – Statistical Investigation

Features of Quality are the criteria used to assess the level of student achievement in a Classroom-Based Assessment (CBA). Described below are the Features of Quality for the Statistical Investigation.

Statistical Investigation CBA 2 Features of Quality	Yet to Meet Expectations	In Line with Expectations	Above Expectations	Exceptional
Designing the Investigation	Uses given statistics question and collection method	Poses a question that anticipates variability and plans to collect/source the type of data appropriate for the question posed	Poses a question that anticipates variability and seeks generalisation; data collection plan shows awareness of how variability affects the validity and reliability of the findings	Poses a question that anticipates variability and seeks generalisation, study design will produce as far as practical reliable and valid results by taking into account variability and confounding variables
Identifying the Variables of Interest	Gathers and displays data	Identifies variables and develops a measuring strategy for measuring the dependent and independent variable	Chosen measuring strategy will provide valid and reliable data	Describes relationship between the variables and describes considerations related to reliability and fairness
Organising and Managing the Data	Makes statements about the data displayed	Displays data in a way that allows patterns to be identified, identifies patterns and describes the data in terms of those patterns	Uses appropriate data displays and describes the data in terms of measures of centre and spread	Use distributions to analyse the data and justifies measures of centre used to describe the data
Analysing and Interpreting Data Summaries	No concrete connection back to the original question	Makes a concrete connection to the original question of the investigation but does not look beyond the data	Reports the findings and the conclusion refers to the original question and attempts to look beyond the data	Interprets the data in relation to the original question; conclusion displays understanding of the limitations of generalising to the population and considers the need to reformulate the original question in light of the findings

Teachers should refer to the Assessment Guidelines during the CBA and SLAR meeting. They Assessment Guidelines are available online at www.curriculumonline.ie