Supported preparation: Data, decisions and accountability

International Baccalaureate · IB Diploma · Digital Society · HL

Scope and prerequisites

IB digital society first assessment 2024. Integrate concepts, content and contexts. Inquiry uses a process document, recorded multimedia presentation and references; HL adds global well-being, governance/human rights and sustainable development interventions.

Mapped preparation outcomes: ib_digital_society_hl.1.1, ib_digital_society_hl.1.2. Read the matching native lesson first. Actual approved choices, evidence and final learner work remain separate.

Source vocabulary

algorithm ; **digital footprint** .

Explanation and worked method

Data are recorded values; information gives them contextual meaning. An algorithm maps inputs to outputs under specified rules. A prediction is not a cause. Privacy concerns collection, access, use and retention; power includes who defines the goal and who can challenge a decision.

Original source / task evidence

Original case: a practice recommender stores missing quizzes as zero and assigns easier work. Analyse the mechanism and one remedy.

Separate what is stated from the interpretation.
Data, decisions and accountability

Original case: a practice recommender stores missing quizzes as zero and assigns easier work. Analyse the mechanism and one remedy.

Missingness can arise from absence or failed access rather than low ability. Converting it to zero changes the inferred ability and can restrict opportunity. Distinguish missing from observed zero, investigate causes, allow correction and test outcomes across affected groups. High average accuracy does not establish equal errors.

exercises.lol exercises.com.cn

Independent transfer

The developer proposes collecting family income to explain missing quizzes. Evaluate this response.

Attempt independently before reading the model.

Checked original model

A proposed variable needs direct relevance, school permission, data minimization and protection. Investigate connection failures and allow missing-data correction first where feasible. More sensitive data do not automatically improve fairness and may create new privacy or exclusion risks.

These are authored formative expectations, not official IB descriptors. Accept other justified arguments with evidence and material limits.

Source and task holds

This supplement teaches the method for this part of the course. The full assessment criteria and any texts your school chooses come from your teacher.