

Learner Assessment: Frequency trees and probability models

Objective: Interpret frequency trees and compare model predictions with observed data.

Calculator condition: Non-calculator core; calculator optional only for checking where labelled.

L075 Frequency trees and probability models

Collect

Represent

Analyse

Conclude

Is the sample fair?

What does the diagram show?

What conclusion is valid?

Objective: Interpret frequency trees and compare model predictions with observed data.

Recall

Retrieve the key fact or method needed for frequency trees and probability models.

Core practice

Of 80 people, 45 cycle. Of those who cycle, 27 are adults. Find the conditional proportion of adults among cyclists.

Working: _____

Check/explanation: _____

Reasoning

A frequency tree has root 60 and first branches 28 and 31. Diagnose the issue and state a possible repair.

Working: _____

Check/explanation: _____

Exam-style

Solve an exam-style problem involving frequency trees and probability models. Show working, include a check and interpret your answer.

Working: _____

Check/explanation: _____