Build two-way tables and interpret categorical association.

Key skills | Free preview

Learning target: Build two-way tables and interpret categorical association.

A two-way table sorts every observation by two categorical variables. Compare conditional percentages within the groups relevant to the question, particularly when group totals differ. Segmented percentage bars put those proportions on a common scale. Differences in the observed proportions indicate association in the sample, while causation requires additional evidence about the study design.

Try the mathematics

Task 1. Class A responses are yes,yes,no,yes,no,yes; class B responses are no,yes,no,no,yes,no,no,no. Construct a class-by-response frequency table with totals, then calculate the yes percentage within each class.

Continue with the full worksheet

The complete resource has 2 focused task sets and substantive worked solutions. Use an exercise book or print the A4 worksheet. This preview shows the first task without its full solution.

Find this resource: https://resources.aspiretopowerlearning.com.au/vce/skills/aspire-internal-gm-u34-o1-aos1-ks-06/

Study-design reference

VCE Mathematics Study Design 2023-2027, version 1.1 (November 2022). General Mathematics; Units 3–4; Outcome 1; Key skills; Data analysis; bullet 6; p. 90.

The learning target is a concise paraphrase. Aspire reference: aspire-internal-gm-u34-o1-aos1-ks-06. This is an internal identifier, not an official VCAA code.

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