

Test Quality Review

Sample Analysis: LSAT Question Set

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I- Executive Summary

A psychometric analysis is performed on a sample of 5 questions taken from the LSAT (Law School Admission Test) examination. The goal of such analysis is to measure the extent to which each question can reliably separate students who have mastered the material from those who have not, and whether the questions work together as a consistent, trustworthy measure overall.

Based on this analysis, the 5 questions were too easy. They do not meaningfully separate stronger from weaker students. Even worse, the questions did not work together consistently as a group. Given these 5 questions do not effectively distinguish capable from less-capable students, they would need revision before being used for any decision that matters, such as placement, grading, or certification.

II- Methodology

The Classical Test Theory framework was used to analyze how each question performed individually and how well all 5 questions worked together as a set. Results, interpretation, and recommendations follow below.

III- Result and Interpretation

Question	% of Students Who Got It Right	Discrimination (r-value)
Q1	92% (Too Easy)	0.11 (Poor)
Q2	71% (Moderate)	0.15 (Poor)
Q3	55% (Moderate)	0.17 (Poor)
Q4	76% (Easy)	0.14 (Poor)
Q5	87% (Easy)	0.12 (Poor)

Industry standards call for questions to reach a minimum discrimination score of 0.30 to reliably separate strong students from weak ones. None of the five questions meet this threshold. Difficulty levels on their own are not necessarily a problem. A high pass rate can simply reflect a strong group of students. However, when a high pass rate is paired with poor discrimination, as seen in Questions 1, 4, and 5, it signals the question is likely too easy to tell strong and weak students apart, rather than just reflecting student skill. Combined with the weak discrimination scores across all five questions, the test is not currently able to reliably distinguish stronger students from weaker ones.

IV- Recommendation

All five questions should be revised, particularly to improve their ability to distinguish strong from weak students, before this test is used for any decision that matters, such as placement, grading, or certification