

Factors Affecting Students' Performance in the Examination

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Abstract : A significant number of empirical studies are carried out to investigate factors affecting college students' performance in the academic examination. With a wide-array of literature-and studies-supported findings, this study is limited only on the students' probability of passing periodical exams which is associated with students' gender, absences in the class, use of reference book, and hours of study. Binary logistic regression was the technique used in the analysis. The research is based on the students' record and data collected through survey. The result reveals that gender, use of reference book and hours of study are significant predictors of passing an examination while students' absenteeism is an insignificant predictor. Females have 45% likelihood of passing the exam than their male classmates. Students who use and read their reference book are 38 times more likely pass the exam than those who do not use and read their reference book. Those who spent more than 3 hours in studying are four (4) times more likely pass the exam than those who spent only 3 hours or less in studying.

Keywords : absences, binary logistic regression, gender, hours of study prediction-causation method, periodical exams, random sampling, reference book

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