

# On Mathematics Anxiety and Achievement of BSHRM Students in Surigao City, Philippines

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**Abstract:** *Mathematics anxiety is an intense feeling of uneasiness about one's ability to do mathematics, interfering achievement in the subject. The study aimed to describe the relationship between mathematics anxiety and mathematics achievement, and the respondents' profile characteristics, including the extent of student-teacher rapport. The sample comprised of 109 BSHRM students (32 males and 77 females) selected through stratified sampling. Mathematics anxiety was measured using the internally reliable Mathematics Anxiety Rating Scale-Philippines, the student-teacher rapport using the Instrument for Teacher-Student Rapport, and mathematics achievement using the respondents' performance in College Algebra. A descriptive-correlational design was used, where Pearson product-moment correlation, analysis of variance, and linear regression modelling were the means to analyze the data. The results revealed that mathematics anxiety has a significant negative correlation with mathematics achievement. In addition, it was found that the respondents significantly differed among each other when grouped based on the extent of student-teacher rapport, but no differences when they were grouped based on gender, age, and type of high school they graduated. There is a cubic polynomial function model that describes the relationship between math achievement and anxiety. These findings suggest that student-teacher rapport is an important factor to mathematics anxiety and achievement. Also, a student support program relevant to enhancing self-efficacy, classroom atmosphere, class participation, and study skills may be designed to facilitate mathematics education of students with anxiety in the subject.*

**Keywords:** Mathematics Anxiety, Mathematics Achievement, Hotel and Restaurant Management

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