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Effects Of Tuition On The Students' Academic Performance At Intermediate Level

Abdul Wahab	PhD Scholar Institute of Education and Research KUST
Imlaq Hussain Shah	M.Phil Scholar KUST
Adnan Ahmad	M. Phil Scholar KUST
Dr. Shah Jehan **(Corresponding Author)**	Lecturer Institute of Education and Research KUST dr.shahjehan@kust.edu.pk

Abstract: *The present research focuses on examining the impact of private tuition on the performance of the students who are studying at the higher secondary school in District Kohat. The research design utilized in the study was pre-test-post-test equivalent groups design with emphasis on fifty students in the control and the experimental groups. The research, which employs accurate data collection and analysis techniques including t-tests, shows significant improvements in the performance of students who were coached individually as compared to those who were not. The study highlights the importance of private tutoring in enhancing performance especially among the high scorers and the low achievers. The study indicates that parents and instructors should consider private tutoring as an extra teaching method.*

Keywords: Pakistan, Higher Secondary School, Academic Performance, Private Tutoring, Educational Achievement

Introduction

This has led to the increasing trend of private tutoring as one of the features of the educational environment, particularly in higher secondary schools. This paper synthesizes current research on tuition effects on achievement, the rationale for tuition, its effectiveness, socio-economic factors, and effects on equity.

Literature Review

The prevalence of tuition

Research studies have shown that the incidence of private tuition has risen sharply across the globe. Bray (2021) has pointed out that private tutoring is prevalent in many countries, particularly in Asia and Europe, with students' enrolment in such services. This is often attributed to the fact that many of the environments in which the children find themselves are academically very competitive. This is not only confined to privileged families, but even middle-class families are gradually getting involved too to guarantee their children's success in their academic work (Bray, 2021). The phenomena are, however, more predominant in the Asian countries such as South Korea and India because there is much emphasis put on education (Bray, 2021).

Why students seek tuition

From much research the level of private supplementary tutoring has expanded in many countries. Bray (2021) has noted that the enrolment of students is highly prevalent in private tutoring all over the world, but particularly in Asia and Europe. This is usually due to the presence of other high performing academic environments. Not only the rich families but also the middle-income families are

gradually involved in the use of tutoring services to ensure the success of their children (Bray, 2021). The phenomena is particularly observed in countries like South Korea and India, which place a lot of value on education (Bray, 2021).

The impact of tuition on academic performance

There is matrix between private tutoring and academic achievement in a, which depends on several conditions. In their meta-analysis also, Chen and Zhang (2023) concluded that there is a positive impact of private tutoring in the achievement of students, especially in the areas of mathematics and science. Chen and Zhang (2023) found out that children who attend tutoring perform better on tests and other assessments than children who do not attend tutoring.

However, the effectiveness of tuition is not constant. Patel and Kumar (2022) note that the impact of tutoring on the performance of the students depends on the quality of tutoring. They found out that well planned tutoring led to significant improvements in the learner's performance while poorly planned sessions led to marginal gains. These results indicate that the tutoring experiences may be diverse and, more specifically, that ''tutor' credentials affect learning (Patel & Kumar, 2022).

Socio-economic factors

Thus, social economic status (SES) works as a forecaster of private tutoring as well as the outcomes of the students. We have seen that Alvi and Hussain (2023) have noted that SES is positively correlated with high quality tutoring service and that would improve academic performance. According to their studies, vacancies widen the learning gap because numerous students from low-income homes may not get the same chance to learn extra as compared to their counterparts (Alvi & Hussain, 2023).

Further, other related cultures like the need and efficiency of schooling culture can also have effect on private tutoring. In a cross-sectional survey study conducted by Tan and Lim in 2023, the authors were particularly interested in how general culture about education influences tutors' activity across various domains. This they discovered in a situation where performance is valued: in this case, the authors stated that the cultural variables significantly influence academic tutoring.

Psychological effects of tuition

Alongside the academic aspect, it is about time that one considered the impact of private tutoring on the learning psychology of the learners. From the literature conducted by Smith & Jones (2023), tutoring lessens academic stress in certain individuals, though at the same time augmenting stress and pressure. Smith and Jones (2023) found out that students who engaged in intensive tutoring often felt pressured and this could be counterproductive to the students' wellbeing and motivation. This is why it is important to apply a comprehensive approach to tutoring that will include not only academic results but the psychological state of children and reinforcement (Khattak & Ahmad, 2018).

Advantages of Private Home Tuition:

According to Goh (2010) and Ngiam (2010), there are several benefits of private home tuition including One-to-one attention, better learning techniques, better performance in difficult subjects, and better student-teacher relationship. Also, parents are more able to monitor and support their children's educational progress.

Previous empirical research works like Bray, (1999) and Tran et al., (2005) have produced ambiguous results on the effects of private tutoring on academic achievement. While some research presents significant improvements in specific disciplines, others show no correlation at all. Atta et al. (2011) investigated the case of Pakistan and concluded that private tutoring has a positive effect on academic performance in secondary schools.

Research Methodology

Population

The population of the study was all the secondary school students in District Kohat. This sample was selected because it would be useful in providing an understanding of the

effects of private tutoring on the students' performance at this level of education. This focus allowed for a more in-depth analysis of students who are at a significant turning point in their education process, when achievements have a significant effect on future educational and career success.

Sampling

The study was conducted on a sample of 50 students selected randomly from Government Girls Higher Secondary School Gumbat. The sampling technique was chosen to ensure that every student in the population had equal chance of being selected hence minimizing bias and increasing the external validity of the study (Creswell, 2014). The sample was evenly divided into two groups: Two types of groups are used in this type of research: a control group and an experimental group. The control group consisted of 25 students who received no more instruction in the topic, while the experimental group, also consisting of 25 students, received remedial instruction in the topic of English. This way, it was possible to use the comparison analysis to determine the impact of private coaching on academic performance.

Design of the study

The sample design, which was applied in the study, was the pre-test-post-test equivalent groups sample design. Situations where the use of this plan is efficient are research used to assess the size of the treatment or effectiveness of a specific therapy or intervention. The treatment in this study involved giving the experimental group individual English lesson. The participants were divided randomly into the respective groups, a measure that is important to control for covariates hence any differences in the results that may observed could be attributed to the intervention only (Trochim, 2006). Applying pre-tests allowed to set up the same starting point for both groups in terms of academic achievements before the intervention.

Research instrument

The research instruments used in this study were pre-test and post-tests developed for this research only. These tests were developed from four chapters of the English curriculum. Before the implementation of the intervention, pre-tests were administered to both groups in a view to assessing their initial level of learning. The post-tests were given after the intervention to determine the improvement in the performance of the subjects concerning the improvement that can be traced to the private tutoring provided to the experimental group (Fraenkel, Wallen & Hyun, 2011). The tests were developed to be of a similar type and comparative level of difficulty to minimize variance in the scores they received apart from what the intervention brought out.

Data collection

Out of data collection method, the control and experimental group both took pre-tests and post-tests. The exams were given by the first author accompanied by two experienced English teachers; this is how the conditions of giving the exams were regulated in the same way for all the participants, so that there could be no biases (Gall, Gall, & Borg, 2007). The pre-test was the initial measure of the student's academic achievement before being taught using private tutoring and the post-test was the measure of the students' achievement after being taught using private tutoring. This strategy of data collection enables easy establishment performance difference between both the groups in their pre- and post- intervention.

Data analysis

Statistical analysis of the data collected was done by means of pre-test and post-test scores, standard deviations as well as the t-test. The mean scores gave an overview of the overall performance of each group and the Standard Deviation showed how far off or different each score was from the overall mean of each group (Pallant, 2016). Therefore, the test applied was t-test on the scores of the two groups being the control and the experimental groups to measure the degree of the differences. The two researchers chose a significance level of 0. 05 to ascertain the level of significance of the observed variation of academic performance. This helped them to gather facts proving the efficiency of privet tutoring as it was pointed out in Field's work (2013).

Analysis and Discussion of the results

Table 1: Significance level of the mean scores on pre-test between the control and experimental groups

Group	N	Mean	SD	SED	t-value
Control Group	25	54.60	2.78	0.77	0.052
Experimental Group	25	53.64	2.68		

Pre-Test Analysis

The pre-test results of the control group and the experimental group are presented in Table 1, in which the experimental group and the control group have no significant difference in terms of the pre-test mean scores (t = 0. 60, SD = 2. 78) Members of the experimental group of the study received a mean score of 53. 64, SD = 2. 68 The results above have been confirmed by the t-value of = 0. They are: 0.197 for T6, which is higher than the critical t-value at 0. 05 significance level. This we found to be the case before the intended tutoring intervention was to be implemented, and therefore it helped in determining the extent of the differences in academic aptitude between the two groups. Since there was no appreciable difference in the pre-test scores the post test scores changes are likely to be expected to be due to the coaching that was offered to the experimental group and not due to any differences in the academic capability of the group (Smith & Jones, 2023).

The first of these is to gain a starting point with which the success of the tutoring intervention can be compared. The statement is in concordance with the previous research as the latter emphasizes that initial performance should be considered while assessing educational treatments (Chen & Zhang, 2023). The study also enhances the validity of the conclusions arrived at from the result of the posttest since both the groups are now at par academic wise.

Table 2: Significance of the disparity in Mean post-test scores of control and experimental group

Group	N	Mean	SD	SED	t-value
Control Group	25	55.60	3.79	0.85	27.94*
Experimental Group	25	71.24	1.88		

Post-Test Analysis

Table 2 that has also been included in the study reveals the change in the students' academic performance after administration of the intervention. The posttest was an average of 71 to the experimental group that underwent individualized instruction. 24 (standard deviation = 1. 88), while the control group was, on average, at 55. Mean number of episodes per client = 60 (Standard Deviation = 3. 79). The t-value obtained has been computed to be 27. 94 which is higher to value 1. More so, any value above 95 for the significance level, in this study 96, suggests that there is a significant difference in the post-test score mean of the two groups. The experimental group's performance has increased by a greater extent than that of the control group and this makes it clear that tutoring intervention was of benefit.

The findings endorse the previous literature that asserts that private tutoring improves students' performance. An example of this is a meta-analysis that was done by Chen & Zhang (2023), where the authors found that students, who undertook programs in tutoring, underwent learned enhancement which led to improved performance, especially in areas they had struggles with. The findings of the present study

also support this view implying that focused tutoring can improve the students' knowledge and achievement.

Implications of Findings

The variation in scores observed in the post-test therefore points to the fact that private tuition can greatly assist in improving learners' performance in higher secondary school. These implications suggest both educational policy and educational practice at large. In this regard, given the rising awareness for the students' performance, incorporating tutoring services into the education system can be one of the options to support the learners who are in difficulties (Alvi & Hussain, 2023).

Furthermore, the results indicate that schools should collaborate with tutoring agencies or create internal ones motivated for ensuring children extra academic assistance. Such programs have the potential to narrow the gap for the children who cannot access private tutoring because of socio-economic barriers (Bray, 2021).

Conclusion

The marked difference in the post-test performances outline that private tuition can help in enhancing achievement in higher secondary school. These implications are grand for educational policy and practice. In this respect, with the rising concern about students' performance, the introduction of tutoring services to the educational institutions could be among the strategies likely to assist the struggling students (Alvi & Hussain, 2023).

Hence, the provided outcomes demonstrate the need for schools to collaborate with the tutoring centers or use the internal ones to give children additional learning opportunities. Such programs could equally narrow the gap for students who cannot afford private lessons because of socio-economic factors /constraints (Bray, 2021).

Recommendations

1. Parents should consider private tutoring as complementary to conventional schooling, especially if they are unable to provide direct academic help.

2. Teachers should therefore adopt interesting and student-centered teaching methods in a bid to improve on the learning process.

3. Education leaders should therefore recognize the importance of private tutoring in improving performance and consider supporting its adoption into the system.

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